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OREGON VITAL STATISTICS

HEALTH DIVISION
OREGON DEPARTMENT OF HUMAN RESOURCES
1400 S.W. 5th Avenue
Portland, OR 97201

OREGON

PUBLIC HEALTH STATISTICS

REPORT

FOR CALENDAR YEAR

1984

OREGON DEPARTMENT OF HUMAN RESOURCES
HEALTH DIVISION
HEALTH STATUS MONITORING
CENTER FOR HEALTH STATISTICS

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QUICK REFERENCE

SUMMARY OF OREGON'S VITAL EVENTS, 1984

POPULATION	2,660,000	Population increase to level nearly equal to 1981 peak.
LIVE BIRTHS	Residents	Number and rates down for fourth year in row even after adjusting for number of women in childbearing years.
Number	39,536	
Crude Rate	14.9	
Fertility Rate	62.8	
DEATHS	Residents	Deaths increase. Rate increase second year in row. Highest rate in last eight years.
Number	23,101	
Rate	8.7	
MARRIAGES	Occurrence	Marriages down in both number and rate.
Number	23,074	
Rate	8.7	
DISSOLUTION OF MARRIAGES	Occurrence	Divorces decrease both in number and rate. Oregon rate higher than U.S.
Number	15,631	
Rate	5.9	
UNWED MOTHERS	Residents	Number of unwed mothers increased. Proportion of unwed mothers to total births highest ever.
Number	6,861	
Rate	173.5	
LOW-BIRTH WEIGHT INFANTS	Residents	Number and rate of low-birth weight infants increase. Rate increased by 3% from 1983.
Number	2,036	
Rate	51.5	
INFANT DEATHS	Residents	Number approximately same as last year, but rate increased by 2%.
Number	388	
Rate	9.8	
NEONATAL DEATHS	Residents	Number and rate of neonatal deaths lowest recorded, but post-neonatal deaths greater for first time.
Number	190	
Rate	4.8	
MATERNAL DEATHS	Residents	Maternal death rate compares favorably with U.S. rate over 5 year period, but Oregon's 1984 number is still higher than seen in late 1970's.
Number	5	
Rate	12.6	
INDUCED ABORTIONS	Occurrence	Reversal of decline begun in 1980. Could be due to change from voluntary to mandatory reporting by providers.
Number	13,133	
Ratio	321.6	

Birth, death, marriage and dissolution of marriage rates are per 1,000 population; illegitimate birth ratio, immature births, and infant and neonatal deaths rate per 1,000 live births; maternal death ratio per 100,000 live births; induced abortion ratio per 1,000 live births.

TABLE 1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DISSOLUTION OF MARRIAGES, U.S., 1945-1984

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	132,481,000	2,735,456	20.6	117,400	42.9	1,612,992	12.2	485,000	3.5
1946	140,054,000	3,288,672	23.5	125,200	38.1	2,291,045	16.4	610,000	4.3
1947	143,446.000	3,699,940	25.8	131,900	35.7	1,991,878	13.9	483,000	3.4
1948	146,093,000	3,535,068	24.2	129,700	36.7	1,811,155	12.4	408,000	2.8
1949	148,665,000	3,559,529	23.9	133,200	37.4	1,579,798	10.6	397,000	2.7
1950	150,697,361	3,554,149	23.6	141,600	39.8	1,667,231	11.1	385,144	2.6
1951	153,310,000	3,750,850	24.5	146,500	39.1	1,594,694	10.4	381,000	2.5
1952	155,687,000	3,846,986	24.7	150,300	39.1	1,539,318	9.9	392,000	2.5
1953	158,242,000	3,902,120	24.7	160,800	41.2	1,546,000	9.8	390,000	2.5
1954	161,164,000	4,017,362	24.9	176,600	44.0	1,490,000	9.2	379,000	2.4
1955	164,308,000	4,047,295	24.6	183,300	45.3	1,531,000	9.3	377,000	2.3
1956	167,306,000	4,163,090	24.9	193,500	46.5	1,585,000	9.5	382,000	2.3
1957	170,371,000	4,254,784	25.0	201,700	47.4	1,518,000	8.9	381,000	2.2
1958	173,320,000	4,203,812	24.3	208,700	49.6	1,451,000	8.4	368,000	2.1
1959	176,513,000	4,244,796	24.0	220,600	52.0	1,494,000	8.5	395,000	2.2
1960	179,323,175	4,257,850	23.7	224,300	52.7	1,523,000	8.5	393,000	2.2
1961	183,057,000	4,268,326	23.3	240,200	56.3	1,548,000	8.5	414,000	2.3
1962	185,890,000	4,167,362	22.4	245,000	58.8	1,577,000	8.5	413,000	2.2
1963	188,658,000	4,098,020	21.7	259,400	63.3	1,654,000	8.8	428,000	2.3
1964	191,371,000	4,027,490	21.0	275,700	68.5	1,725,000	9.0	450,000	2.4
1965	193,818,000	3,760,358	19.4	291,200	77.4	1,800,000	9.3	479,000	2.5
1966	195,857,000	3,606,274	18.4	302,400	83.9	1,857,000	9.5	499,000	2.5
1967	197,863,000	3,520,959	17.8	318,100	90.3	1,927,000	9.7	523,000	2.6
1968	199,861,000	3,501,564	17.6	339,200	96.9	2,069,000	10.4	584,000	2.9
1969	201,921,000	3,600,206	17.9	360,800	100.2	2,145,000	10.6	639,000	3.2
1970	203,211,926	3,731,368	18.4	398,700	106.9	2,158,802	10.6	708,000	3.5
1971	206,212,000	3,555,970	17.2	401,400	112.9	2,190,481	10.6	773,000	3.7
1972	209,284,000	3,258,411	15.6	403,200	123.7	2,282,154	10.9	845,000	4.0
1973	211,357,000	3,136,965	14.8	407,300	129.8	2,284,108	10.8	915,000	4.3
1974	213,342,000	3,159,958	14.8	418,100	132.3	2,229,667	10.5	977,000	4.6
1975	215,465,000	3,144,198	14.6	447,900	142.5	2,152,662	10.0	1,036,000	4.8
1976	217,563,000	3,167,788	14.6	468,100	147.8	2,154,807	9.9	1,083,000	5.0
1977	219,760,000	3,326,632	15.1	515,700	155.0	2,178,367	9.9	1,091,000	5.0
1978	222,095,000	3,333,279	15.0	543,900	163.2	2,282,272	10.3	1,130,000	5.1
1979	224,567,000	3,494,398	15.6	597,800	171.1	2,331,337	10.4	1,181,000	5.3
1980	226,504,825	3,122,258	15.9	663,747	184.3	2,390,252	10.6	1,189,000	5.2
1981	230,339,000	3,629,238	15.8	686,605	189.2	2,422,145	10.6	1,213,000	5.3
1982	231,500,000	3,680,537	15.9	715,277	194.3	2,456,278	10.6	1,170,000	5.0
1983*	234,538,000	3,638,933	15.5	737,893	202.8	2,444,000	10.5	1,179,000	5.0
1984*	236,681,000	3,697,000	15.7	---	---	2,487,000	10.5	1,155,000	4.9

Rate per 1,000 population for live births, marriages and dissolution of marriage.
Ratio per 1,000 live births for births to unwed mothers.
* Provisional data.

TABLE 2. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, U.S., 1945-1984

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9
1946	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8
1947	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1
1948	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6
1949	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8
1950	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2
1951	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8
1952	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3
1953	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8
1954	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5
1955	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1
1956	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5
1957	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3
1958	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5
1959	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2
1960	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1
1961	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1
1962	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9
1963	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8
1964	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4
1965	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2
1966	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7
1967	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6
1968	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8
1969	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1
1970	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2
1971	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4
1972	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7
1973	1,973,003	9.3	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2
1974	1,934,388	9.1	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5
1975	1,892,879	8.8	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7
1976	1,909,440	8.8	390	12.3	48,265	15.2	34,587	10.9	33,111	10.8
1977	1,899,597	8.6	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9
1978	1,927,788	8.7	321	9.6	45,945	13.8	31,618	9.5	32,301	9.7
1979	1,913,841	8.5	336	9.6	45,665	13.1	30,980	8.9	32,969	9.4
1980	1,989,841	8.8	334	9.2	45,526	12.6	30,618	8.5	33,353*	9.2*
1981	1,977,981	8.6	309	8.5	43,305	11.9	28,000	7.8	32,596*	9.0*
1982	1,974,797	8.5	292	7.9	42,401	11.5	28,000	7.6	32,694*	8.9*
1983*	2,019,201	8.6	290	8.0	40,627	10.9	26,507	7.3	30,752*	8.5*
1984*	2,047,000	8.7	220	6.0	39,200	10.6	---	---	---	---

Rate per 1,000 population for deaths.
Rate per 1,000 live births for infant, neonatal and fetal deaths.
Rate per 100,000 live births for maternal deaths.
* Provisional data.

TABLE 3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DISSOLUTION OF MARRIAGES, OREGON, 1908-1984

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1908	621,109	8,322	13.3	---	---	---	---	---	---
1909	647,055	8,656	13.3	---	---	4,863	7.5	---	---
1910	673,002	9,176	13.6	---	---	5,541	8.2	---	---
1911	684,847	9,562	13.8	---	---	6,846	9.9	---	---
1912	696,692	11,189	16.0	---	---	6,613	9.4	---	---
1913	708,537	11,033	15.5	---	---	5,382	7.5	---	---
1914	720,382	11,624	16.1	---	---	5,170	7.1	---	---
1915	732,226	12,232	16.7	---	---	4,983	6.8	---	---
1916	744,071	12,960	17.4	---	---	5,396	7.2	---	---
1917	755,916	13,147	17.4	---	---	6,196	8.2	---	---
1918	767,761	13,295	17.3	---	---	5,281	6.9	---	---
1919	779,606	13,638	17.5	---	---	6,605	8.5	---	---
1920	791,701	14,954	18.8	---	---	7,557	9.5	---	---
1921	808,325	15,607	19.3	---	---	7,643	9.4	---	---
1922	824,949	15,087	18.3	---	---	6,691	8.1	---	---
1923	841,573	14,992	17.8	---	---	7,151	8.4	---	---
1924	858,197	15,818	18.4	---	---	6,937	8.1	---	---
1925	874,800	15,579	17.8	---	---	6,999	8.0	---	---
1926	891,400	14,929	16.7	---	---	7,160	8.0	3,128	3.5
1927	908,100	14,637	16.1	---	---	7,392	8.1	3,149	3.5
1928	924,700	14,159	15.3	---	---	7,625	8.2	3,090	3.3
1929	941,300	13,244	14.1	---	---	8,243	8.7	3,197	3.4
1930	958,450	13,473	14.1	---	---	7,678	8.0	2,825	2.9
1931	967,200	13,227	13.7	---	---	7,346	7.6	2,417	2.5
1932	980,600	12,845	13.1	---	---	6,668	6.8	1,728	1.8
1933	994,000	12,228	12.3	---	---	5,715	5.7	1,844	1.9
1934	1,007,400	13,071	13.0	---	---	6,237	6.2	2,248	2.2
1935	1,020,800	13,143	12.9	---	---	6,795	6.7	2,304	2.3
1936	1,034,100	14,119	13.7	---	---	7,433	7.2	2,578	2.5
1937	1,047,500	15,495	14.8	---	---	7,602	7.3	2,718	2.6
1938	1,061,000	16,333	15.4	---	---	6,734	6.3	3,162	3.0
1939	1,074,000	16,727	15.6	---	---	4,902	4.6	3,422	3.2
1940	1,093,000	17,522	16.0	237	13.5	5,998	5.5	3,543	3.2
1941	1,107,000	18,784	17.0	229	12.2	7,445	6.7	4,122	3.7
1942	1,148,500	22,283	19.4	247	11.1	8,768	7.6	4,725	4.1
1943	1,167,200	25,380	21.7	328	12.9	9,272	7.9	5,643	4.8
1944	1,221,000	23,444	19.2	407	17.4	8,675	7.1	6,619	5.4

TABLE 3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DISSOLUTION OF MARRIAGES, OREGON, 1908-1984, Continued

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	1,227,200	23,339	19.0	504	21.6	9,764	8.0	7,949	6.5
1946	1,347,900	29,566	21.9	517	17.5	14,674	10.9	10,241	7.6
1947	1,423,300	36,190	25.4	608	16.8	12,881	9.1	6,707	4.7
1948	1,470,800	34,937	23.8	575	16.5	12,373	8.4	6,405	4.4
1949	1,511,200	35,062	23.2	502	14.3	10,746	7.1	6,274	4.2
1950	1,521,341	35,991	23.7	667	18.5	11,300	7.4	5,943	3.9
1951	1,568,000	37,317	23.8	623	16.7	10,118	6.5	6,133	3.9
1952	1,602,100	39,752	24.8	780	19.6	9,998	6.2	6,311	3.9
1953	1,636,800	39,866	24.4	772	19.4	10,502	6.4	6,373	3.9
1954	1,662,680	38,550	23.2	909	23.6	9,557	5.8	6,130	3.7
1955	1,690,840	38,678	22.9	880	22.8	10,632	6.3	6,158	3.6
1956	1,734,650	38,432	22.2	958	24.9	10,568	6.1	5,827	3.4
1957	1,737,470	37,828	21.8	1,088	28.8	9,961	5.7	5,261	3.0
1958	1,728,550	36,295	21.0	1,091	30.1	9,896	5.7	5,452	3.2
1959	1,777,000	36,634	20.6	1,217	33.2	10,166	5.7	6,009	3.4
1960	1,768,687	38,347	21.7	1,250	32.6	10,590	6.0	5,711	3.2
1961	1,816,345	37,475	20.6	1,433	38.2	10,798	5.9	6,023	3.3
1962	1,825,138	36,983	20.3	1,499	40.5	11,122	6.1	6,074	3.3
1963	1,856,190	34,863	18.8	1,708	49.0	11,786	6.3	6,180	3.3
1964	1,906,000	33,500	17.6	1,754	52.4	12,297	6.5	6,486	3.4
1965	1,972,150	32,955	16.7	2,094	63.5	13,252	6.7	6,219	3.2
1966	1,999,780	32,446	16.2	2,330	71.8	13,981	7.0	6,764	3.4
1967	2,006,360	31,446	15.7	2,478	78.8	14,401	7.2	7,603	3.8
1968	2,050,900	32,136	15.7	2,831	88.1	16,125	7.9	8,258	4.0
1969	2,081,640	33,834	16.3	3,000	88.7	16,874	8.1	8,643	4.2
1970	2,091,385	35,353	16.9	2,912	82.4	17,302	8.3	9,583	4.6
1971	2,143,010	33,344	15.6	2,603	78.1	18,100	8.4	10,687	5.0
1972	2,183,270	31,308	14.3	2,552	81.5	19,265	8.8	11,706	5.4
1973	2,224,900	30,902	13.9	2,599	84.1	19,661	8.8	12,382	5.6
1974	2,266,000	32,506	14.3	2,984	91.8	20,002	8.8	13,538	6.0
1975	2,299,000	33,352	14.5	3,382	101.4	19,322	8.4	15,526	6.8
1976	2,341,750	34,840	14.9	3,825	109.8	19,182	8.2	16,070	6.9
1977	2,396,100	37,467	15.6	4,596	122.7	20,303	8.5	16,372	6.8
1978	2,472,000	38,964	15.8	5,279	135.5	21,055	8.5	16,965	6.9
1979	2,544,000	41,564	16.3	5,599	134.7	22,063	8.7	17,584	6.9
1980	2,633,105	43,091	16.4	6,360	147.6	23,004	8.7	17,762	6.7
1981	2,660,435	42,974	16.2	6,384	148.6	22,904	8.6	17,697	6.7
1982	2,656,185	41,012	15.4	6,484	158.1	24,186	9.1	16,792	6.3
1983	2,634,993	39,949	15.2	6,467	161.0	23,346	8.9	16,173	6.1
1984	2,660,000	39,536	14.9	6,861	173.5	23,074	8.7	15,631	5.9

Rate per 1,000 population for live births, marriages and dissolution of marriage.
Ratio per 1,000 live births for births to unwed mothers.

TABLE 4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS
OREGON, 1908-1984

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1908	4,970	8.0	59	709.0	676	81.2	---	---	---	---
1909	5,470	8.4	70	808.7	756	80.7	---	---	---	---
1910	6,089	9.0	91	991.7	733	79.9	---	---	---	---
1911	6,360	9.2	91	951.7	753	78.7	---	---	---	---
1912	5,898	8.4	63	563.1	653	58.6	---	---	---	---
1913	6,714	9.4	60	543.8	684	61.9	---	---	---	---
1914	6,446	8.9	72	619.4	577	49.6	---	---	---	---
1915	6,718	9.1	74	605.0	583	47.6	---	---	---	---
1916	7,107	9.5	88	679.0	725	55.9	---	---	---	---
1917	7,349	9.7	87	661.7	837	63.6	---	---	---	---
1918	9,842	12.8	106	797.3	907	68.2	---	---	---	---
1919	8,881	11.4	101	740.6	845	61.9	---	---	---	---
1920	9,186	11.6	112	749.0	927	61.9	---	---	---	---
1921	8,324	10.2	117	749.7	791	50.6	---	---	---	---
1922	9,381	11.3	115	762.2	886	58.7	---	---	---	---
1923	8,983	10.6	103	687.0	853	56.9	---	---	---	---
1924	9,511	11.1	94	594.3	834	52.7	---	---	---	---
1925	9,596	10.9	95	609.8	787	50.5	---	---	---	---
1926	9,885	11.1	85	569.4	769	51.5	---	---	---	---
1927	10,222	11.2	91	621.7	693	47.3	---	---	---	---
1928	10,493	11.3	86	607.4	651	46.0	---	---	410	29.0
1929	10,680	11.3	75	566.3	633	47.7	---	---	415	31.4
1930	10,544	11.0	81	601.2	671	49.8	---	---	390	28.9
1931	10,245	10.6	61	461.2	578	43.7	---	---	360	27.2
1932	10,272	10.5	64	498.2	530	41.3	---	---	322	25.1
1933	10,450	10.5	64	523.4	493	40.3	---	---	329	26.9
1934	10,539	10.5	79	604.4	519	39.7	---	---	320	24.5
1935	11,429	11.2	72	547.8	537	40.8	---	---	300	22.8
1936	12,434	12.0	77	545.4	626	44.3	409	29.0	300	21.5
1937	12,369	11.8	56	361.4	649	41.9	415	26.8	340	22.4
1938	11,777	11.1	53	324.5	631	38.6	418	25.6	353	21.6
1939	11,779	11.0	43	257.1	580	34.7	381	22.8	322	19.3
1940	12,329	11.3	45	256.8	592	33.2	413	23.6	365	20.8
1941	12,123	10.9	43	228.9	589	30.7	397	20.9	333	17.7
1942	12,520	10.9	37	166.0	669	30.0	456	20.4	362	16.2
1943	13,440	11.5	37	145.8	776	30.6	466	18.4		
1944	12,580	10.3	41	147.9	706	30.1	504	21.5	454	19.4

Rate per 1,000 population for deaths.
Rate per 1,000 live births for infant, neonatal and fetal deaths.
Rate per 100,000 live births for maternal deaths.

TABLE 4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS
OREGON, 1908-1984, Continued

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	12,325	10.0	29	124.3	660	28.3	473	20.3	402	17.2
1946	12,828	9.5	28	94.7	803	27.2	594	20.1	515	17.4
1947	13,460	9.5	35	96.7	896	24.8	645	17.8	562	15.5
1948	13,872	9.4	15	42.9	892	25.5	671	19.2	508	14.5
1949	13,698	9.1	20	57.0	862	24.6	661	18.9	488	13.9
1950	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7
1951	14,489	9.2	5	13.4	883	23.7	637	17.1	498	13.3
1952	14,438	9.0	11	27.7	951	23.9	696	17.5	500	12.6
1953	14,598	8.9	15	37.6	938	23.5	680	17.1	524	13.1
1954	14,665	8.8	9	23.3	868	22.5	632	16.4	512	13.3
1955	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8
1956	15,328	8.8	11	28.6	887	23.1	645	16.8	504	13.1
1957	15,633	9.0	8	21.1	828	21.9	587	15.5	499	13.2
1958	15,449	8.9	6	16.5	844	23.3	597	16.4	448	12.3
1959	16,699	9.4	9	24.6	927	25.3	664	18.1	469	12.8
1960	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9
1961	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1
1962	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5
1963	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8
1964	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0
1965	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8
1966	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9
1967	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6
1968	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4
1969	19,548	9.4	4	11.8	592	17.5	410	12.1	194	1/
1970	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7
1971	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2
1972	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5
1973	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1
1974	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2
1975	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5
1976	20,459	8.7	-	-	444	12.7	277	8.0	280	8.0
1977	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6
1978	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8
1979	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4
1980	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8
1981	21,798	8.2	3	7.0	466	10.8	299	7.0	298	6.9
1982	21,594	8.1	8	19.5	433	10.6	253	6.2	253	6.2
1983	22,361	8.5	6	15.0	385	9.6	215	5.4	268	6.7
1984	23,101	8.7	5	12.6	388	9.8	190	4.8	257	6.5

1/ Incomplete total.

TABLE 5. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE. MARRIAGES, DISSOLUTION OF MARRIAGES, BY COUNTY OF OCCURRENCE, OREGON , 1984

COUNTY OF RESIDENCE	ESTIMATED POPULATION 7/1/84	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
TOTAL	2,660,000	39,536	14.9	6,861	173.5	23,074	8.7	15,631	5.9
Baker	16,000	222	13.9	34	153.2	128	8.0	98	6.1
Benton	68,500	871	12.7	83	95.3	524	7.6	302	4.4
Clackamas	246,300	3,184	12.9	421	132.2	1,939	7.9	1,120	4.5
Clatsop	32,900	438	13.3	67	153.0	320	9.7	171	5.2
Columbia	36,200	505	14.0	72	142.6	275	7.6	460	12.7
Coos	61,000	901	14.8	185	205.3	572	9.4	378	6.2
Crook	13,000	208	16.0	21	101.0	144	11.1	112	8.6
Curry	17,100	181	10.6	27	149.2	171	10.0	103	6.0
Deschutes	64,000	1,006	15.7	132	131.2	583	9.1	408	6.4
Douglas	91,400	1,383	15.1	253	182.9	948	10.4	626	6.8
Gilliam	1,950	37	19.0	3	81.1	16	8.2	4	2.0
Grant	8,050	115	14.3	5	43.5	74	9.2	60	7.5
Harney	7,250	99	13.7	11	111.1	62	8.6	36	5.0
Hood River	16,400	250	15.2	26	104.0	202	12.3	302	18.4
Jackson	135,100	1,934	14.3	346	178.9	1,297	9.6	981	7.3
Jefferson	12,200	241	19.8	70	290.5	126	10.3	62	5.1
Josephine	60,300	803	13.3	175	217.9	549	9.1	470	7.8
Klamath	58,200	912	15.7	163	178.7	459	7.9	398	6.8
Lake	7,600	123	16.2	13	105.7	61	8.0	40	5.3
Lane	268,500	3,888	14.5	717	184.4	2,354	8.8	1,825	6.8
Lincoln	37,300	488	13.1	91	186.5	414	11.1	203	5.4
Linn	89,900	1,380	15.4	245	177.5	794	8.8	493	5.5
Malheur	27,800	493	17.7	63	127.8	199	7.2	123	4.4
Marion	210,000	3,275	15.6	595	181.7	1,995	9.5	940	4.5
Morrow	7,500	142	18.9	17	119.7	63	8.4	39	8.7
Multnomah	562,300	8,467	15.1	1,937	228.8	5,117	9.1	3,107	5.5
Polk	45,000	645	14.3	101	156.6	279	6.2	489	10.9
Sherman	2,200	27	12.3	2	74.1	9	4.1	3	1.4
Tillamook	22,000	264	12.0	39	147.7	210	9.5	206	9.4
Umatilla	60,600	1,073	17.7	202	188.3	498	8.2	319	5.3
Union	24,800	381	15.4	52	136.5	208	8.4	103	4.2
Wallowa	7,550	101	13.4	12	118.8	69	9.1	22	2.9
Wasco	22,500	350	15.6	62	177.1	193	8.6	146	6.5
Washington	260,200	4,177	16.1	469	112.3	1,760	6.8	1,165	4.8
Wheeler	1,400	15	10.7	1	66.7	5	3.6	8	5.7
Yamhill	57,000	957	16.8	149	155.7	457	8.0	309	5.4

Rate per 1,000 population for live births, marriages and dissolution of marriage.
Rate per 1,000 live births for births to unwed mothers.

TABLE 6. DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, BY COUNTY OF RESIDENCE, OREGON, 1984

COUNTY OF RESIDENCE	DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TOTAL	23,101	8.7	388	9.8	190	4.8	257	6.5
Baker	163	10.2	2	9.0	1	4.5	5	2.3
Benton	354	5.2	5	5.7	1	1.1	7	8.0
Clackamas	1,861	7.6	37	11.6	16	5.0	17	5.3
Clatsop	327	9.9	3	6.8	-	-	4	9.1
Columbia	319	8.8	4	7.9	2	4.0	1	2.0
Coos	622	10.2	4	4.4	1	1.1	10	11.1
Crook	135	10.4	4	19.2	1	4.8	4	19.2
Curry	180	10.4	3	16.6	2	11.0	1	5.5
Deschutes	489	7.6	13	12.9	7	7.0	9	8.9
Douglas	855	9.4	14	10.1	8	5.8	7	5.1
Gilliam	18	9.2	-	-	-	-	-	-
Grant	85	10.6	-	-	-	-	2	17.4
Harney	55	7.6	1	10.1	-	-	1	10.1
Hood River	143	8.7	1	4.0	-	-	2	8.0
Jackson	1,172	8.7	14	7.2	6	3.1	7	3.6
Jefferson	87	7.1	2	8.3	1	4.1	-	-
Josephine	664	11.0	8	10.0	3	3.7	9	11.2
Klamath	483	8.3	6	6.6	3	3.3	3	3.3
Lake	64	8.4	2	16.3	1	8.1	-	-
Lane	2,069	7.7	29	7.5	16	4.1	28	7.2
Lincoln	428	11.5	5	10.2	2	4.1	-	-
Linn	761	8.5	16	11.6	6	4.3	11	8.0
Malheur	236	8.5	12	24.3	3	6.1	4	8.1
Marion	1,870	8.9	39	11.9	23	7.0	25	7.6
Morrow	63	8.4	-	-	-	-	3	21.1
Multnomah	5,737	10.2	99	11.7	55	6.5	35	4.1
Polk	441	9.8	6	9.3	2	3.1	4	6.2
Sherman	19	8.6	1	37.0	1	37.0	1	37.0
Tillamook	239	10.9	1	3.8	1	3.8	-	-
Umatilla	510	8.4	10	9.3	6	5.6	10	9.3
Union	210	8.5	2	5.2	1	2.6	5	13.1
Wallowa	66	8.7	-	-	-	-	-	-
Wasco	256	11.4	5	14.3	4	11.4	1	2.9
Washington	1,601	6.2	32	7.7	13	3.1	27	6.5
Wheeler	14	10.0	1	66.7	1	66.7	-	-
Yamhill	505	8.9	7	7.3	3	3.1	14	14.6

Rate per 1,000 population for deaths.
Rate per 1,000 live births for infant, neonatal and fetal deaths.

TABLE 7. POPULATION, BIRTHS AND DEATHS BY CITY OF RESIDENCE, OREGON, 1984

CITY OF RESIDENCE	ESTIMATED POPULATION 7/1/84	BIRTHS		DEATHS	
		Number	Rate	Number	Rate
Albany (Linn, Benton)	27,900	535	19.2	262	9.4
Ashland (Jackson)	15,600	201	12.9	110	7.1
Beaverton (Washington)	33,450	781	23.3	245	7.3
Bend (Deschutes)	18,270	346	18.9	166	9.1
Coos Bay (Coos)	14,770	254	17.2	176	11.9
Corvallis (Benton)	41,525	534	12.9	212	5.1
Eugene (Lane)	103,400	1,478	14.1	802	7.8
Forest Grove (Washington)	11,700	218	18.6	152	13.0
Grants Pass (Josephine)	15,140	302	19.9	239	15.8
Gresham (Multnomah)	36,370	549	15.1	248	6.8
Hillsboro (Washington)	29,750	582	19.6	204	6.9
Klamath Falls (Klamath)	17,430	310	17.8	200	11.5
LaGrande (Union)	12,200	190	15.6	122	10.0
Lake Oswego (Mult., Clack., Wash.)	23,500	228	9.7	145	6.2
Lebanon (Linn)	10,380	222	21.4	127	12.2
McMinnville (Yamhill)	14,865	255	17.2	156	10.5
Medford (Jackson)	40,950	736	18.0	428	10.5
Milwaukie (Clack., Mult.)	17,475	462	26.4	249	14.2
Newberg (Yamhill)	11,440	226	19.8	127	11.1
Oregon City (Clackamas)	14,440	277	19.2	163	11.3
Pendleton (Umatilla)	14,150	218	15.4	121	8.6
Portland (Mult., Clack., Wash.)	371,500	6,079	16.4	4,284	11.5
Roseburg (Douglas)	15,800	326	20.6	243	15.4
Salem (Marion, Polk)	92,680	1,731	18.7	1,022	11.0
Springfield (Lane)	39,965	870	21.8	326	8.2
The Dalles (Wasco)	10,960	171	15.6	168	15.3
Tigard (Washington)	18,450	363	19.7	166	9.0
West Linn (Clackamas)	12,620	183	14.5	80	6.3
Woodburn (Marion)	11,300	206	18.2	179	15.8

Cities of 10,000 or more population listed.
Counties listed in parenthesis.
All rates per 1,000 population.
Population Source: Center for Population Research and Census, Portland State University, July 1, 1984.

NATALITY

NATALITY

NUMBER OF BIRTHS DOWN IN OREGON

Birth statistics abound. Numbers, rates, percentages flash before our eyes. How do market researchers, public health planners, economists, forecasters, sociologists and other professionals who deal with natality statistics optimize all this information to their advantage?

The simplest statistic, which we can all handle with relative ease, is the mere counting of the vital events. The number of Oregon resident births has been declining for the last four years. There were a total of 39,536 births in 1984, 413 births less than in 1983. Are women having fewer children, or is the decline in number of events attributable to other factors?

Mere counting of vital events does not tell the whole story. To adjust for changes in the Oregon population, statisticians use rates. The birth rate declined for the fourth straight year in 1984, to 14.9 births per 1,000 population. Although there were 16,197 more births in 1984 than 1945, the birth rate in 1945 was 19.0. This shows that Oregonians were having fewer children per resident in 1984 than in 1945. Although not often used, rates based on total population come in handy when sex and age distributions of a population are not known; such as when comparing natality statistics over time or between different nationalities.

Even more complicated statistical procedures are used to remove the effect of changes in a population by adjusting for factors such as age and sex. For example, in 1984, Curry county had the lowest birth rate of all the Oregon counties (10.6). The 1980 census reports that Curry county also had the highest median age of all the Oregon counties.

It follows then, naturally, that residents in certain age brackets have more children. When adjusting natality statistics for age, an adjustment for sex is also usually made. There may be widely skewed populations in this category as well. The most interesting statistic in the age and sex adjusted birth rates show the rate for 15-19 year-olds and 20-24 year-olds is going down and has been for the last four years (Figure 1). The birth rate to moms age 30-34 has been going up for the last four years. Could women be delaying childbearing in order to establish their careers? Could these two trend lines intersect in the next few years?

The makers of big ticket items such as homes, cars, dinette sets, etc. should be interested in the change in family configurations. Statisticians have a natality number which determines average family size. This statistic is called the total fertility rate. This indicator is computed by adding together the age-specific birth rates in the five-year age categories and multiplying by five. The 1984 rate, 1760, is the lowest in five years. This last figure indicates the theoretical number of babies who would be born to 1,000 women as these women passed through their reproductive years. A total fertility rate of 2,100 is considered population replacement.

FIGURE 1. BIRTHS TO TEENS AND OLDER MOTHERS
Oregon Residents, 1979-84

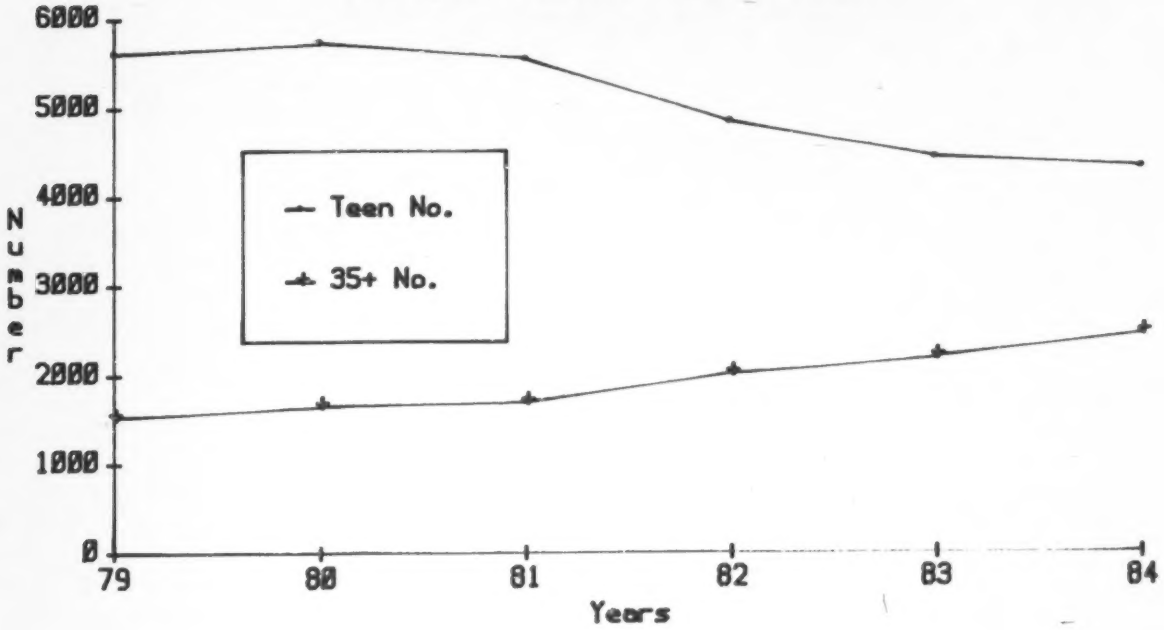
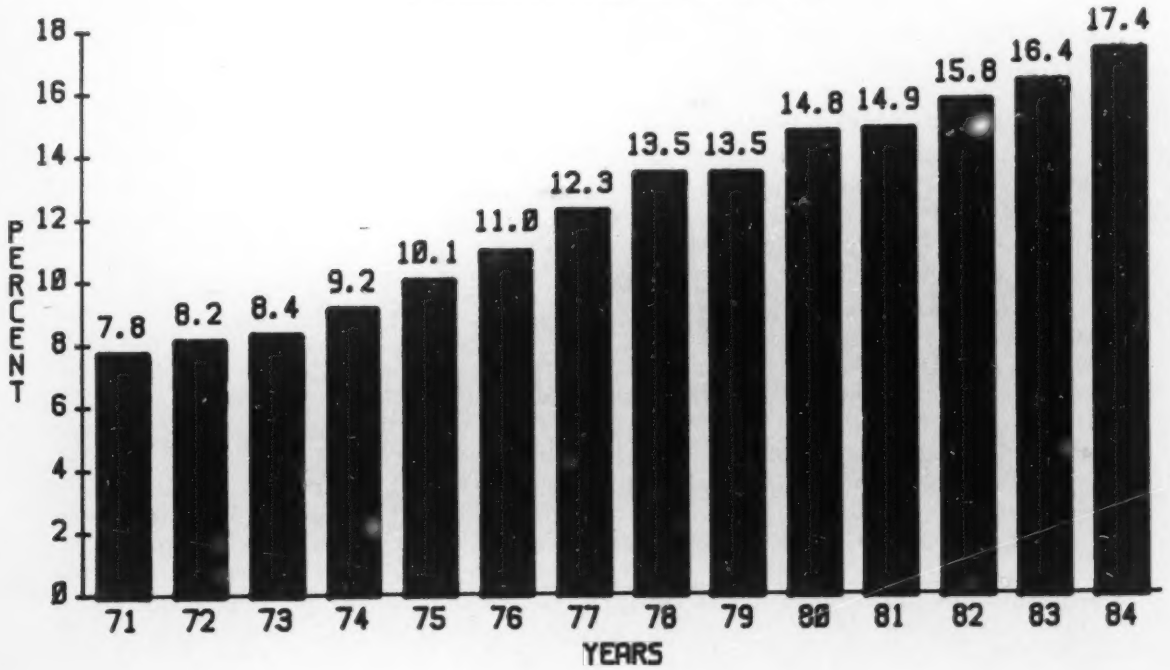


FIGURE 2. PERCENTAGE OF BIRTHS TO UNWED MOTHERS
OREGON RESIDENTS, 1971-1984



UNWED BIRTHS

Although resident births declined by one percent, the number of births to unwed mothers increased by 5.7 percent. Births to unwed mothers comprise 17.4 percent of the total births. The percent of births to unwed mothers has increased for the last 13 years (Figure 2). Many unfavorable pregnancy outcomes are associated with this statistic, such as low birth weight and high infant mortality. Although one may expect these pregnancy outcomes to improve as women choose to raise children as singles, the incidence of low birth weight among infants of these mothers is higher than ever, with 8.4 percent of their birth outcomes being low birth weight in 1984.

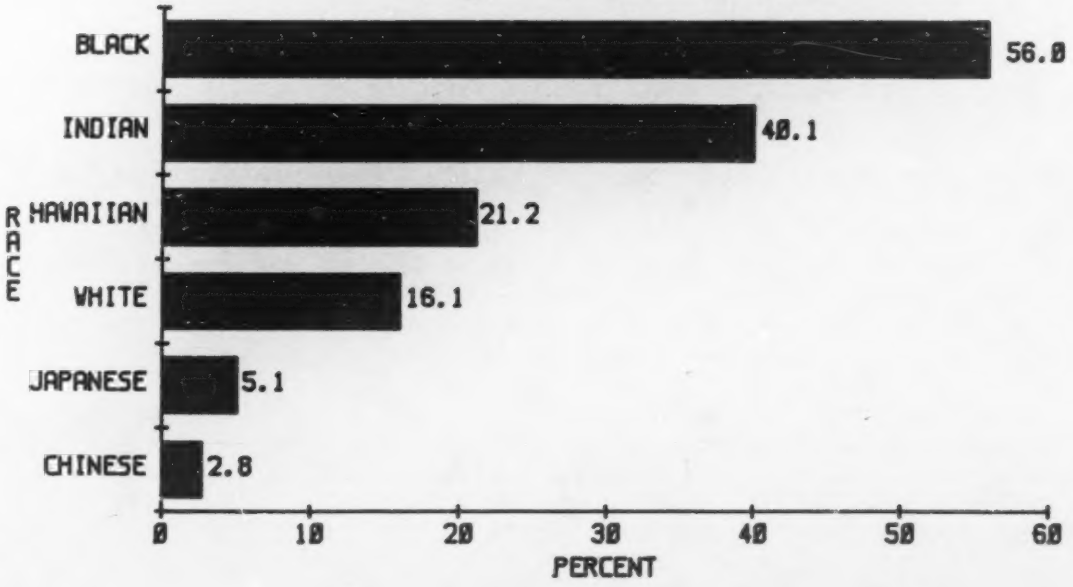
Unwed mother statistics are vastly different between the races (Figure 3). Fifty-six percent of the Black mothers giving birth were single. Forty percent of the Indian mothers were single. Whites registered third, with 16.1 percent.

OREGON'S MINORITY POPULATION

As in previous years, Oregon's minority population show significant differences in birthing patterns and circumstances. In the total population, 10.2 percent of the births were to mothers less than 20 years of age; however, Indian and Black populations were 21.6 percent and 20.6 percent respectively.

Mother's educational level differed among the races. Seventeen percent of the White babies were born to mothers with less than a high school education. The Black children had 26.9 percent of their mothers with less than a high school education. Indian children had 39.0 percent of their mothers not completing high school. Lower educational attainment coincides with the lower median age of mothers in the Black and Indian population.

FIGURE 3. PERCENT UNWED MOTHERS BY RACE
Oregon Residents 1984



These differences of age and education are important in that they are historically associated with indications of poor pregnancy outcomes, such as low birth weight, infant mortality or morbidity. The percentages of low birth weight babies are more pronounced in the minority populations. Five percent of all 1984 births weighed less than 2,500 grams. However, 11.0 percent of the Black babies were in this weight category.

Even though the statistics do not reflect a favorable public health status for Blacks and Indians, the news is quite good for the other non-white races. These races consist of Chinese, Japanese, Filipino, Other Asian and Pacific Islanders and Other Non-White. They consistently show more favorable risk factors than the White population. This category contained 1,200 resident births in 1984.

NEW STATISTICS IN 1984

Our new data entry system has provided us with many more statistics in 1984. We now capture data on specific complications of pregnancy and illnesses associated with pregnancy. We have more tables on inadequate prenatal care (no care, less than 5 visits or third trimester care) and race statistics.

Low birth weight is more pronounced when mothers have little or no prenatal care. Five percent of Oregon resident births are low birth weight whereas 11.5 percent of babies of mothers with inadequate care had low birth weight babies.

Inadequate care rates between the races are different. For White babies (non-hispanic), 5.9 percent had mothers with inadequate care. Eleven percent of Black babies had mothers with inadequate prenatal care. Twenty percent of all Indian babies had mothers with inadequate care. Seventeen percent of all hispanic babies had mothers with inadequate prenatal care. Of the total mothers with inadequate care, 49.8 percent had less than a high school education; whereas 18.9 percent of Oregon resident mothers had less than a high school education (Table 28). Educational status, especially when coupled with age, has a big impact on inadequate care rates.

Complications of pregnancy is a new statistic gathered this year on the Oregon birth certificate. Although medical record technicians and others who complete birth certificates were warned of this fact, we suspect that reporting was somewhat less than adequate. The complication most frequently reported was preeclampsia. There were 747 preeclampsia patients, representing 1.9 percent of the total births. Washington State reports 3 percent of mothers who gave birth in 1984 as having preeclampsia. Is this difference due to a reporting factor? Post 42 week gestation pregnancies were reported 414 times, representing one percent of the total births. But postdate pregnancy is estimated to occur in three to 12 percent of all gestations. Morbidity and mortality rates associated with this common obstetric problem are higher than those with term gestation. The incidence of fetal distress, birth injury, meconium aspiration, congenital malformations, macrosomia, and oligohydramosios is also greater in postdate pregnancy.1/ Anemia and gestational diabetes ranked third among the complications of pregnancy (Table 23).

1/ Am. J. Obstet. Gynecol. 1984 Jul 15; 149(6):628-32.

Another condition reported on the birth certificate is congenital anomalies of the newborn. Because birth certificates are filed shortly after birth, the types of anomalies which are not immediately obvious are underreported. There were a total of 447 reported congenital anomalies on the Oregon birth certificates in 1984, for a rate of 11.3 per 1,000 live births. The most frequently reported congenital anomaly was the anomaly of the cleft palate and cleft lip. Other specified anomalies of the skin such as skin tags, birthmarks, scars, etc. were reported with the second highest frequency. Deformities of the feet were reported with the third highest rate of frequency (Table 22).

COMPLICATIONS OF DELIVERY

The total number of Caesarean-sections reported in 1984 was 7,450 or 18.8 percent of Oregon's 39,536 resident births. The 1979 special Evaluation of Caesarean Section in the United States estimates that in 1978, 13.9 percent of deliveries in the U.S. were by C-section.

Our expanded data system now includes additional complications of delivery. The one most frequently recorded in 1984 was previous C-section. There were 2,203 such cases reported, representing 5.6 percent of the births. There were 1,139 breech presentations, or 2.9 percent of the total births (Table 23). Washington State reports 2.7 percent of total births with breech presentations. Reporting of breech presentations on Washington and Oregon birth certificates appears to be comparable.

TABLE 8. AGE SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY RATES, OREGON, 1940, 1950, 1960, 1970, 1975-1984

YEAR	TOTAL FERTILITY RATES	FERTILITY RATES	AGE SPECIFIC BIRTH RATES					
			15-19	20-24	25-29	30-34	35-39	40-44
1940	2,009	69.4	46.2	132.8	114.1	68.0	31.7	9.0
1950	3,228	108.8	92.9	223.0	169.5	100.9	46.7	12.6
1960	3,588	112.5	88.2	283.8	189.3	96.3	46.3	13.7
1970	2,256	81.5	58.9	167.5	139.4	58.3	21.7	5.4
1975	1,677	64.5	47.2	112.4	111.6	47.0	14.4	2.8
1976	1,692	65.1	48.3	110.9	112.3	49.4	14.5	3.0
1977	1,762	67.6	47.4	116.3	114.9	55.0	15.8	2.9
1978	1,757	67.3	49.3	115.1	111.3	56.8	16.1	2.8
1979	1,808	69.0	48.8	117.1	114.7	61.0	16.9	3.0
1980	1,830	69.3	50.9	124.3	112.9	57.8	17.2	2.8
1981	1,822	68.1	51.5	121.3	112.8	59.3	16.6	3.0
1982	1,781	65.2	45.7	119.1	109.1	60.3	18.6	3.3
1983	1,776	64.1	42.8	114.0	110.8	64.7	19.7	3.3
1984	1,760	62.8	42.5	108.0	110.9	66.4	21.2	3.1

Rates are per 1,000 female population within the specific age group.
Births to mothers under 15 and over 44 were not included.

TABLE 9. RESIDENT BIRTHS BY AGE GROUP OF MOTHER, OREGON, 1955-1984

YEAR	TOTAL	AGE-GROUP OF MOTHER																				N.S.* No.
		Under 15 No.	%	15-19 No.	%	20-24 No.	%	25-29 No.	%	30-34 No.	%	35-39 No.	%	40-44 No.	%	45 + No.	%					
1955	38,678	19	0.0	4,939	12.8	12,968	33.5	10.339	26.7	6,346	16.4	3,194	8.3	835	2.2	36	0.1					2
1956	38,423	21	0.1	5,230	13.6	13,029	33.9	10,035	26.1	6,119	15.9	3,098	8.1	831	2.2	50	0.1					10
1957	37,828	19	0.1	5,267	13.9	13,162	34.8	9,509	25.1	5,939	15.7	3,051	8.1	832	2.2	47	0.1					2
1958	36,295	26	0.1	5,147	14.2	12,761	35.2	9,222	25.4	5,519	15.2	2,763	7.6	819	2.3	36	0.1					2
1959	36,634	21	0.1	5,351	14.6	13,390	36.6	9,052	24.7	5,314	14.5	2,732	7.5	737	2.0	35	0.1					2
1960	38,347	31	0.1	5,896	15.4	14,122	36.8	9,338	24.4	5,303	13.8	2,808	7.3	799	2.1	48	0.1					2
1961	37,475	25	0.1	5,738	15.3	14,434	38.5	8,891	23.7	5,012	13.4	2,597	6.9	733	2.0	42	0.1					3
1962	36,983	19	0.1	5,882	15.9	14,246	38.5	8,743	23.6	4,817	13.0	2,497	6.8	737	2.0	39	0.1					3
1963	34,863	32	0.1	5,546	15.9	13,616	39.1	8,322	23.9	4,352	12.5	2,266	6.5	694	2.0	35	0.1					-
1964	33,500	30	0.1	5,356	16.0	13,302	39.7	7,986	23.8	4,088	12.2	2,079	6.2	619	1.8	38	0.1					2
1965	32,955	29	0.1	5,758	17.5	13,154	39.9	7,640	23.2	3,786	11.5	1,976	6.0	582	1.8	29	0.1					1
1966	32,446	31	0.1	5,989	18.5	13,044	40.2	7,688	23.7	3,352	10.3	1,781	5.5	521	1.6	38	0.1					2
1967	31,446	43	0.1	5,646	18.0	13,012	41.4	7,585	24.1	3,185	10.1	1,518	4.8	430	1.4	25	0.1					2
1968	32,136	39	0.1	5,789	18.0	13,071	40.7	8,304	25.8	3,170	9.9	1,332	4.1	405	1.3	25	0.1					1
1969	33,834	49	0.1	5,771	17.1	13,779	40.7	9,221	27.3	3,365	9.9	1,241	3.7	372	1.1	32	0.1					4
1970	35,353	41	0.1	6,027	17.0	14,587	41.3	9,778	27.7	3,373	9.5	1,195	3.4	324	0.9	27	0.1					1
1971	33,344	51	0.2	5,591	16.8	13,958	41.9	9,218	27.6	3,222	9.7	1,019	3.1	257	0.8	19	0.1					9
1972	31,308	52	0.2	5,531	17.7	12,374	39.5	9,141	29.2	3,046	9.7	920	2.9	226	0.7	12	0.0					6
1973	30,902	66	0.2	5,349	17.3	11,936	38.6	9,332	30.2	3,145	10.2	848	2.7	201	0.7	20	0.1					5
1974	32,506	66	0.2	5,356	16.5	12,612	38.8	10,039	30.9	3,465	10.7	810	2.5	145	0.4	8	0.0					5
1975	33,352	57	0.2	5,206	15.6	12,716	38.1	10,718	32.1	3,576	10.7	888	2.7	167	0.5	9	0.0					5
1976	34,840	67	0.2	5,367	15.4	12,895	37.0	11,386	23.7	3,992	11.5	935	2.7	180	0.5	11	0.0					7
1977	37,467	69	0.2	5,303	14.2	13,830	36.9	12,285	32.8	4,723	12.6	1,069	2.9	174	0.5	9	0.0					5
1978	38,964	72	0.2	5,588	14.3	13,906	35.7	12,710	32.6	5,319	13.7	1,181	3.0	178	0.5	7	0.0					3
1979	41,564	70	0.2	5,544	13.3	14,451	34.8	13,864	33.4	6,109	14.7	1,316	3.2	193	0.5	12	0.0					5
1980	43,091	71	0.2	5,658	13.1	14,912	34.6	14,297	33.2	6,499	15.1	1,456	3.4	185	0.4	11	0.0					2
1981	42,974	61	0.1	5,483	12.8	14,338	33.4	14,292	33.3	7,102	16.5	1,479	3.4	207	0.5	12	0.0					-
1982	41,012	52	0.1	4,783	11.7	13,422	32.7	13,534	33.0	7,202	17.6	1,765	4.3	241	0.6	13	0.0					-
1983	39,949	52	0.1	4,375	11.0	12,595	32.8	13,106	32.8	7,626	19.1	1,938	4.9	244	0.6	11	0.0					2
1984	39,536	56	0.1	4,245	10.7	12,035	30.4	12,783	32.3	7,961	20.1	2,193	5.5	248	0.6	13	0.0					2

* N.S. Indicates age not stated. Insignificant percentage.

TABLE 10. RESIDENT BIRTHS BY RACE OF CHILD, OREGON, 1955-1984

YEAR	TOTAL	RACE OF CHILD						
		White	Black	Indian	Chinese	Japanese	Other	Not Stated
1955	38,678	37,575	526	309	74	135	59	-
1956	38,423	37,346	548	267	71	129	62	-
1957	37,828	36,705	530	340	80	121	52	-
1958	36,295	35,138	538	340	65	128	85	1
1959	36,634	35,384	599	376	69	128	78	-
1960	38,347	36,958	651	432	78	134	94	-
1961	37,475	36,128	585	451	72	148	91	-
1962	36,983	35,717	613	385	68	115	85	-
1963	34,863	33,545	617	418	72	105	106	-
1964	33,500	32,199	613	417	69	105	97	-
1965	32,955	31,671	590	425	66	112	91	-
1966	32,446	31,247	567	371	77	82	102	-
1967	31,446	30,270	583	368	63	74	88	-
1968	32,136	30,968	543	363	71	85	106	-
1969	33,834	32,427	626	451	95	95	139	1
1970	35,353	33,729	677	552	86	127	179	3
1971	33,344	31,850	654	478	90	106	158	8
1972	31,308	29,756	657	492	89	110	185	19
1973	30,902	29,349	621	510	77	113	214	18
1974	32,506	30,800	706	515	80	109	272	24
1975	33,352	31,487	760	567	97	117	290	34
1976	34,840	32,923	728	550	104	138	339	58
1977	37,467	35,361	894	527	109	134	369	73
1978	38,964	36,617	947	581	107	144	546	22
1979	41,564	38,983	977	627	147	151	661	18
1980	43,091	40,151	1,012	687	169	147	908	17
1981	42,974	39,863	920	660	154	163	1,211	3
1982	41,012	37,951	976	643	176	185	1,077	4
1983	39,949	37,065	982	688	171	169	871	3
1984	39,536	36,683	907	689	178	158	916	5

TABLE 11. RESIDENT BIRTHS BY AGE OF MOTHER AND BY BIRTHWEIGHT, OREGON 1984

BIRTH WEIGHT (Grams)	TOTAL	AGE OF MOTHER							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
TOTAL**	39,536	56	4,245	12,035	12,783	7,961	2,193	248	13
499 or less	36	-	5	12	10	5	3	1	-
500-999	116	-	20	35	28	23	10	-	-
1000-1499	193	-	23	55	55	44	12	4	-
1500-1999	367	3	60	101	121	65	15	2	-
2000-2499	1,324	3	189	461	363	229	67	12	-
2500-2999*	4,865	8	683	1,636	1,466	816	233	20	2
3000-3499	13,601	21	1,604	4,357	4,285	2,608	649	75	2
3500-3999	13,223	14	1,262	3,863	4,480	2,765	757	77	5
4000-4499	4,726	7	340	1,273	1,620	1,086	353	43	4
4500-4999*	960	-	53	224	312	279	80	11	-
5000 & over	122	-	5	18	42	40	14	3	-
Not Stated	3	-	1	-	1	1	-	-	-
%1499 or less	0.9	0.0	1.1	.8	.7	.9	1.1	2.0	-
%1500-2499	4.3	10.7	5.9	4.7	3.8	3.7	3.7	5.6	-
%2500-4499	92.1	89.3	91.6	92.5	92.7	91.4	90.8	86.7	100.0
%4500 & over	2.7	-	1.4	2.0	2.8	4.0	4.3	5.6	-

* Includes 1 with age not stated.

** Includes 2 with age not stated.

TABLE 12. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER & BIRTHWEIGHT, OREGON 1984

BIRTH WEIGHT (Grams)	TOTAL	AGE OF MOTHER							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
TOTAL	6,861	53	2,236	2,521	1,295	545	176	34	1
499 or less	14	-	4	5	4	-	1	-	-
500-999	35	-	14	12	4	4	1	-	-
1000-1499	48	-	17	19	8	4	-	-	-
1500-1999	93	3	31	28	17	11	2	1	-
2000-2499	384	2	117	144	76	29	11	5	-
2500-2999	1,204	8	398	452	228	86	26	6	-
3000-3499	2,526	20	823	937	471	197	67	10	1
3500-3999	1,894	13	645	684	355	141	48	8	-
4000-4499	548	7	160	202	105	55	16	3	-
4500-4999	102	-	25	35	24	14	4	-	-
5000 & over	12	-	1	3	3	4	-	1	-
Not stated	1	-	1	-	-	-	-	-	-
% <1499	1.4	-	1.6	1.4	1.2	1.5	1.1	-	-
%1500-2499	7.0	9.4	6.6	6.8	7.2	7.3	7.4	17.6	-
%2500-4499	90.0	90.6	90.6	90.2	89.5	87.9	89.2	79.4	100.0
%4500 & over	1.7	-	1.2	1.5	2.1	3.3	2.3	2.9	-

TABLE 13. BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE, 1984

COUNTY OF RESIDENCE	TOTAL LIVE BIRTHS	BIRTHS TO UNWED MOTHERS	
		Number	Ratio
STATE	39,536	6,861	173.5
Baker	222	34	153.2
Benton	871	83	95.3
Clackamas	3,184	421	132.2
Clatsop	438	67	153.0
Columbia	505	72	142.6
Coos	901	185	205.3
Crook	208	21	101.0
Curry	181	27	149.2
Deschutes	1,006	132	131.2
Douglas	1,383	253	182.9
Gilliam	37	3	81.1
Grant	115	5	43.5
Harney	99	11	111.1
Hood River	250	26	104.0
Jackson	1,934	346	178.9
Jefferson	241	70	290.5
Josephine	803	175	217.9
Klamath	912	163	178.7
Lake	123	13	105.7
Lane	3,888	717	184.4
Lincoln	488	91	186.5
Linn	1,380	245	177.5
Malheur	493	63	127.8
Marion	3,275	595	181.7
Morrow	142	17	119.7
Multnomah	8,467	1,937	228.9
Polk	645	101	156.6
Sherman	27	2	74.1
Tillamook	264	39	147.7
Umatilla	1,073	202	188.3
Union	381	52	136.5
Wallowa	101	12	118.8
Wasco	350	62	177.1
Washington	4,177	469	112.3
Wheeler	15	1	66.7
Yamhill	957	149	155.7

Ratios per 1,000 Live Births

TABLE 14. RESIDENT BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER, OREGON 1984

LIVE BIRTH ORDER	TOTAL	AGE OF MOTHER							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
TOTAL	39,536	56	4,245	12,035	12,783	7,961	2,193	248	13
First	15,777	52	3,333	5,674	4,206	2,093	395	22	2
Second	13,614	3	779	4,414	4,897	2,834	644	42	1
Third	6,192	-	100	1,446	2,424	1,678	498	44	2
Fourth	2,193	-	17	338	791	736	271	40	-
Fifth	751	-	-	49	222	285	160	33	2
Sixth	338	-	-	9	77	135	97	17	2
Seventh	129	-	-	2	17	55	41	12	2
Eighth	87	-	-	2	8	33	34	10	-
Ninth +	72	-	-	-	-	19	29	23	1
Not Stated	383	1	16	101	141	93	24	5	1

TABLE 15. TOTAL PREGNANCIES BY TYPE OF OUTCOME AND AGE GROUPS, OREGON OCCURRENCE, 1984

TYPE OF OUTCOME	TOTAL	AGE OF MOTHER							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
TOTAL	54,245	139	7,391	16,346	15,490	9,431	2,823	375	21
LIVE BIRTHS	40,841[1]	58	4,409	12,511	13,166	8,174	2,252	258	12
Percent	75.3	41.7	59.7	76.5	85.0	86.7	79.8	68.8	57.1
FETAL DEATHS	271	0	32	91	78	43	24	3	0
Percent	0.5	0.0	0.4	0.6	0.5	0.4	0.8	0.8	0.0
INDUCED ABORTIONS	13,133[2]	81	2,950	3,744	2,246	1,214	547	114	9
Percent	24.2	58.3	39.9	22.9	14.5	12.9	19.4	30.4	42.9

Occurrence figures are required because of incomplete reporting on certain demographic items.

[1] Includes 1 with age not stated.
[2] includes 2,228 with age not stated.

TABLE 16. RESIDENT BIRTHS BY AGE OF MOTHER, OREGON 1984

COUNTY OF RESIDENCE	TOTAL	AGE OF MOTHER							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
STATE	39,536[1/]	56	4,245	12,035	12,782	7,961	2,193	248	14
Baker	222	-	34	72	74	31	10	1	-
Benton	871	-	44	195	312	248	63	9	-
Clackamas	3,184	2	262	845	1,046	782	222	25	-
Clatsop	438	1	44	148	139	73	29	4	-
Columbia	505	1	65	137	166	99	34	2	1
Coos	901[2/]	1	114	322	265	162	30	6	-
Crook	208	1	22	91	60	27	7	-	-
Curry	181	-	21	61	60	32	6	1	-
Deschutes	1,006	-	116	294	339	201	52	4	-
Douglas	1,383	2	190	542	372	219	50	7	1
Gilliam	37	-	3	10	13	10	1	-	-
Grant	115	-	7	44	39	17	7	1	-
Harney	99	-	13	38	31	12	5	-	-
Hood River	250	-	30	89	76	42	12	1	-
Jackson	1,934	3	236	601	620	349	117	7	1
Jefferson	241	-	49	76	78	32	6	-	-
Josephine	803	-	137	277	216	126	42	5	-
Klamath	912	-	143	318	257	147	41	5	1
Lake	123	-	17	49	33	20	3	1	-
Lane	3,888[2/]	3	372	1,179	1,262	818	225	26	2
Lincoln	488	1	51	146	162	99	25	3	1
Linn	1,380	2	167	509	423	225	44	10	-
Malheur	493	2	71	159	127	101	31	2	-
Marion	3,275	6	404	1,019	1,043	610	168	23	2
Morrow	142	-	24	46	47	21	4	-	-
Multnomah	8,467	17	856	2,450	2,806	1,759	522	56	1
Polk	645	3	61	203	190	152	33	2	1
Sherman	27	-	3	6	14	3	1	-	-
Tillamook	264	-	42	93	74	41	13	1	-
Umatilla	1,073	-	163	369	314	189	33	4	1
Union	381	-	36	133	118	76	15	3	-
Wallowa	101	-	8	28	36	21	8	-	-
Wasco	350	2	49	101	122	50	22	4	-
Washington	4,177	8	280	1,048	1,538	999	272	30	2
Wheeler	15	-	1	7	3	4	-	-	-
Yamhill	957	1	110	330	307	164	40	5	-

1/ Includes 2 with age not stated
2/ Includes 1 with age not stated

TABLE 17. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER, OREGON, 1984

COUNTY OF RESIDENCE	TOTAL	AGE OF MOTHER							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
STATE	6,861	53	2,236	2,521	1,294	545	176	34	2
Baker	34	-	16	11	5	2	-	-	-
Benton	83	-	16	37	15	10	5	-	-
Clackamas	421	2	142	158	68	38	11	2	-
Clatsop	67	1	20	28	12	4	2	-	-
Columbia	72	-	26	21	16	6	3	-	-
Coos	185	1	60	60	42	15	4	3	-
Crook	21	1	7	9	3	1	-	-	-
Curry	27	-	6	16	4	1	-	-	-
Deschutes	132	-	49	47	25	6	5	-	-
Douglas	253	2	77	105	36	27	4	2	-
Gilliam	3	-	-	1	-	2	-	-	-
Grant	5	-	-	4	1	-	-	-	-
Harney	11	-	2	7	2	-	-	-	-
Hood River	26	-	11	8	4	3	-	-	-
Jackson	346	3	114	120	74	21	13	-	1
Jefferson	70	-	26	19	17	8	-	-	-
Josephine	175	-	63	54	34	14	8	2	-
Klamath	163	-	65	60	19	14	5	-	-
Lake	13	-	7	4	2	-	-	-	-
Lane	717	3	209	269	151	64	16	5	-
Lincoln	91	1	21	35	20	10	4	-	-
Linn	245	2	82	93	48	16	2	2	-
Malheur	63	1	23	20	11	4	4	-	-
Marion	595	5	202	224	100	44	15	5	-
Morrow	17	-	6	8	3	-	-	-	-
Multnomah	1937	17	609	703	398	151	51	8	-
Polk	101	3	34	35	15	12	1	1	-
Sherman	2	-	2	-	-	-	-	-	-
Tillamook	39	-	17	11	8	3	-	-	-
Umatilla	202	-	77	75	26	20	2	1	1
Union	52	-	13	22	10	5	2	-	-
Wallowa	12	-	2	7	2	1	-	-	-
Wasco	62	2	23	18	9	4	5	1	-
Washington	469	8	151	177	88	30	13	2	-
Wheeler	1	-	-	1	-	-	-	-	-
Yamhill	149	1	58	54	26	9	1	-	-

TABLE 18. RESIDENT BIRTHS BY SEX AND RACE OF CHILD, OREGON, 1984.

COUNTY OF RESIDENCE	TOTAL	SEX		RACE OF CHILD			
		Male	Female	White[4]	Black	Indian	Other Non-White
STATE	39,536 [1]	20,506	19,030	36,683	907	689	1,252
Baker	222	124	98	220	-	1	1
Benton	871	447	424	813	13	6	39
Clackamas	3,184 [2]	1,692	1,492	3,058	20	28	77
Clatsop	438	213	225	423	4	5	6
Columbia	505	275	230	495	-	5	5
Coos	901	456	445	847	2	39	13
Crook	208	101	107	205	-	2	1
Curry	181	83	98	178	-	2	1
Deschutes	1,006	524	482	971	4	15	16
Douglas	1,383	707	676	1,348	5	23	7
Gilliam	37	22	15	37	-	-	-
Grant	115	60	55	112	-	2	1
Harney	99	58	41	94	0	4	1
Hood River	250	123	127	238	1	5	6
Jackson	1,934 [2]	1,002	932	1,878	7	29	19
Jefferson	241	130	111	142	-	98	1
Josephine	803	434	369	769	2	21	11
Klamath	912	481	431	831	6	60	15
Lake	123	53	70	120	1	2	-
Lane	3,888 [2]	2,020	1,868	3,736	37	33	81
Lincoln	488	255	233	462	1	14	11
Linn	1,380	723	657	1,321	3	21	35
Malheur	493	250	243	469	4	6	19
Marion	3,275	1,695	1,580	3,126	20	47	82
Morrow	142	70	72	138	-	1	2
Multnomah	8,467 [3]	4,330	4,137	7,115	727	119	503
Polk	645	341	304	626	2	6	11
Sherman	27	13	14	27	-	-	-
Tillamook	264	143	121	257	1	1	5
Umatilla	1,073	581	492	1,027	4	33	9
Union	381	217	164	366	2	3	10
Wallowa	101	46	55	99	1	1	-
Wasco	350	188	162	327	-	20	3
Washington	4,177	2,157	2,020	3,866	37	22	252
Wheeler	15	6	9	15	-	-	-
Yamhill	957	486	471	931	3	15	8

[1] Includes five with race not stated.
[2] Includes one with race not stated.
[3] Includes two with race not stated.
[4] Includes all Hispanic.

TABLE 19. BIRTHS BY COUNTY OF OCCURRENCE BY TYPE OF INSTITUTION AND BY DELIVERY ATTENDANT, OREGON, 1984

COUNTY OF OCCURRENCE	TOTAL	IN HOSPITAL OR BORN ON ARRIVAL					
		Total	M.D.	D.O.	CNM	R.N.	Other Licensed Medical
STATE	40,841	39,055	36,143	1,215	1,567	95	35
Baker	149	142	142	-	-	-	-
Benton	1,284	1,224	1,096	50	75	1	2
Clackamas	1,519	1,387	1,378	4	-	1	4
Clatsop	499	486	480	-	-	6	-
Columbia	75	66	66	-	-	-	-
Coos	884	844	841	-	-	-	3
Crook	129	124	124	-	-	-	-
Curry	135	86	39	27	16	3	1
Deschutes	1,220	1,188	1,175	11	-	1	1
Douglas	1,278	1,242	1,135	65	40	2	-
Gilliam	-	-	-	-	-	-	-
Grant	99	94	93	-	-	1	-
Harney	72	71	71	-	-	-	-
Hood River	215	213	213	-	-	-	-
Jackson	2,092	2,010	1,411	85	507	5	2
Jefferson	185	178	178	-	-	-	-
Josephine	880	736	702	28	-	6	-
Klamath	940	929	928	-	-	-	1
Lake	115	115	114	-	-	-	1
Lane	4,046	3,715	3,023	34	640	15	3
Lincoln	349	332	299	3	-	30	-
Linn	988	944	855	75	14	-	-
Malheur	617	613	612	-	-	-	1
Marion	3,460	3,340	3,316	23	-	1	-
Morrow	23	21	1	20	-	-	-
Multnomah	13,278	12,967	12,494	255	202	5	11
Polk	207	161	62	98	-	-	1
Sherman	-	-	-	-	-	-	-
Tillamook	188	185	185	-	-	-	-
Umatilla	830	814	774	39	-	-	1
Union	479	466	463	-	-	2	1
Wallowa	56	52	52	-	-	-	-
Wasco	487	482	282	198	-	1	1
Washington	3,363	3,155	2,871	200	73	10	1
Wheeler	2	-	-	-	-	-	-
Yamhill	698	673	668	-	-	5	-

* See appendix for full title of attendants.

TABLE 19. Continued

NOT IN HOSPITAL									
Total	M.D.	D.O.	N.D.	D.C.	CNM	R.N.	Mid-Wife	Other Licensed Medical	Non Medical
1,786	396	9	192	89	374	51	489	32	154
7	-	-	-	-	-	-	5	-	2
60	-	-	8	1	3	3	41	1	3
132	6	-	24	16	43	-	19	2	22
13	-	-	4	-	-	-	6	-	3
9	1	-	-	1	-	1	3	-	3
40	-	-	-	-	-	-	35	-	5
5	-	-	3	-	1	-	-	-	1
49	13	-	-	-	29	-	4	-	3
32	1	-	18	-	-	1	10	-	2
36	7	-	-	1	-	-	20	3	5
-	-	-	-	-	-	-	-	-	-
5	1	-	-	-	-	-	3	-	1
1	-	-	-	-	-	-	-	-	1
2	-	-	-	-	-	-	1	-	1
82	11	-	4	4	-	23	27	8	5
7	4	-	3	-	-	-	-	-	-
144	18	-	-	-	89	-	29	-	8
11	2	-	1	-	-	-	5	-	3
-	-	-	-	-	-	-	-	-	-
331	91	7	2	1	167	6	40	3	14
17	7	-	1	-	-	6	2	-	1
44	1	-	-	1	4	1	33	-	4
4	1	-	1	-	-	-	1	-	1
120	4	-	3	9	9	5	52	4	34
2	-	-	-	-	-	-	-	1	1
311	63	-	101	45	1	2	81	3	15
46	-	2	1	4	24	1	8	2	4
-	-	-	-	-	-	-	-	-	-
3	-	-	1	-	-	-	2	-	-
16	1	-	-	-	-	-	11	-	4
13	-	-	-	1	-	-	10	-	2
4	-	-	-	2	-	-	2	-	-
5	-	-	-	-	-	-	2	-	3
208	164	-	7	3	3	1	25	4	1
2	-	-	-	-	-	1	-	-	1
25	-	-	10	-	1	-	12	1	1

* See appendix for full title of attendants.

TABLE 20. LOW BIRTH WEIGHT INFANTS BY COUNTY OF RESIDENCE, OREGON, 1984

COUNTY OF RESIDENCE	ALL LIVE BIRTHS	LOW BIRTH WEIGHT INFANTS					
		TOTAL		1499 Gr. or Less		1500-2499 Grams	
		Number	Rate	Number	Rate	Number	Rate
STATE	39,536	2,036	51.5	345	8.7	1,691	42.8
Baker	222	10	45.0	2	9.0	8	36.0
Benton	871	41	47.1	3	3.4	38	43.6
Clackamas	3,184	161	50.6	25	7.9	136	42.7
Clatsop	438	21	47.9	2	4.6	19	43.4
Columbia	505	30	59.4	5	9.9	25	49.5
Coos	901	30	33.3	3	3.3	27	30.0
Crook	208	10	48.1	-	-	10	48.1
Curry	181	4	22.1	2	11.0	2	11.0
Deschutes	1,006	54	53.7	12	11.9	42	41.7
Douglas	1,383	56	40.4	9	6.5	47	34.0
Gilliam	37	-	-	-	-	-	-
Grant	115	2	17.4	1	8.7	1	8.7
Harney	99	7	70.7	1	10.1	6	60.6
Hood River	250	13	52.0	1	4.0	12	48.0
Jackson	1,934	89	46.0	15	7.8	74	38.3
Jefferson	241	11	45.6	2	8.3	9	37.3
Josephine	803	39	48.6	3	3.7	36	44.8
Klamath	912	56	61.4	8	8.8	48	52.6
Lake	123	7	56.9	1	8.1	6	48.8
Lane	3,888	194	49.9	44	11.3	150	38.6
Lincoln	488	21	43.0	2	4.1	19	38.9
Linn	1,380	72	52.2	8	5.8	64	46.4
Malheur	493	20	40.6	2	4.1	18	36.5
Marion	3,275	162	49.5	31	9.5	131	40.0
Morrow	142	5	35.2	2	14.1	3	21.1
Multnomah	8,467	524	61.9	82	9.7	442	52.2
Polk	645	38	58.9	9	14.0	29	45.0
Sherman	27	1	37.0	1	37.0	-	-
Tillamook	264	8	30.3	3	11.4	5	18.9
Umatilla	1,073	67	62.4	13	12.1	54	50.3
Union	381	19	49.9	4	10.5	15	39.4
Wallowa	101	2	19.8	-	-	2	19.8
Wasco	350	24	68.6	3	8.6	21	60.0
Washington	4,177	188	45.0	34	8.1	154	36.9
Wheeler	15	-	-	-	-	-	-
Yamhill	957	49	51.2	12	12.5	37	38.7

All rates per 1,000 Live Births

TABLE 21. RESIDENT BIRTHS BY RACE OF CHILD AND BIRTH WEIGHT, OREGON, 1984

BIRTH WEIGHT IN GRAMS	ALL LIVE BIRTHS	RACE OF INFANT										
		WHITE	HISPANIC	BLACK	INDIAN	CHINESE	JAPANESE	HAWAIIAN	FILIPINO	OTHER ASIAN	OTHER NON-WHITE	NOT STATED
STATE	39,536	35,082	1,601	907	689	178	158	52	136	714	14	5
499 or less	36	27	3	4	1	-	-	-	-	1	-	-
500-999	116	101	5	6	1	-	-	-	1	2	-	-
1000-1499	193	166	10	7	1	1	1	-	4	3	-	-
1500-1999	367	327	11	10	5	2	1	1	2	8	-	-
2000-2499	1,324	1,109	63	74	24	2	4	6	8	32	2	-
2500-2999	4,865	4,175	208	176	76	34	29	5	28	130	3	1
3000-3499	13,601	11,879	597	350	242	81	65	16	53	313	5	-
3500-3999	13,223	11,987	473	223	230	49	48	14	31	161	4	3
4000-4499	4,726	4,321	182	49	90	7	10	8	8	51	-	-
4500-4999	960	882	42	8	16	1	-	2	1	8	-	-
5000 +	122	106	7	-	3	1	-	-	-	5	-	-
Not Stated	3	2	-	-	-	-	-	-	-	-	-	1

TABLE 22. CONGENITAL MALFORMATIONS BY SITE REPORTED ON BIRTH CERTIFICATE BY COUNTY OF RESIDENCE, OREGON, 1984

COUNTY OF RESIDENCE	TOTAL	NERVOUS SYSTEM AND SENSE ORGANS				CIRCULATORY SYSTEM		DIGESTIVE SYSTEM		
		ANENCEPHALUS	SPINA BIFIDA	OTHER NERVOUS SYSTEM	SENSE ORGANS	HEART	OTHER	CLEFT PALATE AND/OR LIP	UPPER ALIMENTARY TRACT	OTHER
STATE	447	5	12	13	18	9	29	48	10	5
Baker	4	-	-	1	-	-	-	-	-	-
Benton	10	-	-	-	1	-	-	3	-	-
Clackamas	24	-	-	1	-	-	1	2	-	-
Clatsop	5	-	-	-	-	-	-	-	-	-
Columbia	7	-	-	1	-	-	-	1	1	1
Coos	19	-	1	1	-	-	2	2	-	-
Crook	4	-	-	-	-	-	-	-	1	-
Curry	1	-	-	-	-	-	-	-	-	-
Deschutes	18	1	1	1	-	-	2	2	-	-
Douglas	16	-	1	-	1	-	1	4	1	-
Gilliam	1	-	-	-	-	-	-	-	-	-
Grant	1	-	-	-	-	-	-	-	-	-
Harney	4	-	-	-	-	-	-	1	-	-
Hood River	5	-	-	-	2	-	-	-	-	-
Jackson	19	-	-	-	2	-	3	-	1	-
Jefferson	6	-	-	-	-	-	1	-	-	-
Josephine	14	-	-	-	2	-	-	-	-	-
Klamath	13	-	-	1	1	-	1	2	1	-
Lake	2	-	-	-	-	-	-	-	-	1
Lane	39	-	-	1	2	-	2	5	1	-
Lincoln	10	-	1	1	1	-	1	-	-	-
Linn	14	1	-	-	-	-	2	5	-	-
Malheur	12	-	-	-	-	-	-	1	-	-
Marion	32	1	4	1	-	1	2	5	-	1
Morrow	1	-	-	-	-	-	-	-	-	-
Multnomah	93	1	1	4	4	5	8	9	-	1
Polk	6	-	-	-	1	-	1	-	1	1
Sherman	-	-	-	-	-	-	-	-	-	-
Tillamook	1	-	-	-	-	-	-	-	-	-
Umatilla	11	-	1	-	-	1	-	2	1	-
Union	9	-	-	-	-	-	-	-	-	-
Wallowa	1	-	-	-	-	-	-	-	-	-
Wasco	2	-	-	-	-	-	-	-	-	-
Washington	34	1	2	-	-	1	2	4	2	-
Wheeler	1	-	-	-	-	-	-	-	-	-
Yamhill	8	-	-	-	1	1	-	-	-	-

TABLE 22. CONGENITAL MALFORMATIONS BY SITE REPORTED ON BIRTH CERTIFICATE BY COUNTY OF RESIDENCE, OREGON, 1984, continued

COUNTY OF RESIDENCE	GENITO-URINARY SYSTEM			MUSCULOSKELATAL SYSTEM					UNSPECIFIED SITES			MULTIPLE SITES
	HYPOSPADIAS	OTHER GENITAL ORGANS	URINARY ORGANS	CLUBFOOT	POLYDACTYLY	SYNDACTYLY	CONGENITAL DISLOCATION of HIP	OTHER	DOWN'S SYNDROME	SKIN	OTHER UNSPECIFIED SITES	
STATE	20	15	9	42	20	6	-	45	22	37	70	12
Baker	1	1	-	1	-	-	-	-	-	-	-	-
Benton	1	-	-	-	1	-	-	2	1	-	1	-
Clackamas	-	1	-	4	-	1	-	2	4	3	5	-
Clatsop	-	-	-	1	-	-	-	2	-	2	-	-
Columbia	1	1	-	-	-	-	-	-	-	-	1	-
Coos	-	-	-	5	-	-	-	-	-	5	3	-
Crook	1	1	-	-	-	-	-	-	-	-	1	-
Curry	-	-	-	1	-	-	-	-	-	-	-	-
Deschutes	-	-	-	1	-	-	-	2	-	6	2	-
Douglas	2	-	-	2	-	-	-	1	-	-	3	-
Gilliam	-	-	-	-	-	-	-	1	-	-	-	-
Grant	-	-	1	-	-	-	-	-	-	-	-	-
Harney	1	-	-	1	-	-	-	-	-	1	-	-
Hood River	1	-	-	1	1	-	-	-	-	-	-	-
Jackson	-	-	1	3	2	-	-	2	1	2	2	-
Jefferson	1	1	-	-	-	1	-	1	-	-	1	-
Josephine	-	1	-	2	1	-	-	3	-	1	4	-
Klamath	1	-	-	-	1	-	-	-	-	2	3	-
Lake	-	-	-	-	-	-	-	-	-	-	1	-
Lane	2	-	-	3	3	-	-	5	5	1	8	1
Lincoln	1	-	1	-	1	-	-	-	-	-	2	1
Linn	-	-	-	1	-	-	-	2	1	-	2	-
Malheur	2	-	-	1	-	-	-	1	2	-	5	-
Marion	1	-	1	2	2	1	-	5	3	-	2	-
Morrow	-	-	-	-	-	-	-	-	-	1	-	-
Multnomah	3	4	1	4	6	2	-	8	2	9	13	8
Polk	-	1	-	-	-	-	-	-	-	-	1	-
Sherman	-	-	-	-	-	-	-	-	-	-	-	-
Tillamook	-	-	-	-	-	-	-	1	-	-	-	-
Umatilla	1	-	-	2	-	-	-	1	-	-	1	1
Union	-	1	-	1	-	-	-	2	1	2	2	-
Wallowa	-	-	-	-	1	-	-	-	-	-	-	-
Wasco	-	1	-	1	-	-	-	-	-	-	-	-
Washington	-	2	3	4	1	-	-	4	1	2	4	1
Wheeler	-	-	-	-	-	-	-	-	-	-	1	-
Yamhill	-	-	1	1	-	1	-	-	1	-	2	-

TABLE 23. TOTAL BIRTHS BY COUNTY OF RESIDENCE AND COMPLICATIONS OF PREGNANCY, OREGON, 1984

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH COMPLICATIONS	PREECLAMPSIA	ANEMIA	HEMORRHAGE OF PREGNANCY	ECLAMPSIA
STATE	39,536	6.9	747	206	117	9
Baker	222	1.4	2	-	-	-
Benton	871	8.0	18	13	3	-
Clackamas	3,184	5.7	31	7	6	-
Clatsop	438	8.4	6	3	3	-
Columbia	505	7.9	6	5	1	-
Coos	901	9.2	5	38	3	-
Crook	208	12.5	7	1	1	1
Curry	181	8.3	3	2	1	1
Deschutes	1,006	11.1	50	7	5	-
Douglas	1,383	4.2	17	5	4	1
Gilliam	37	5.4	1	-	-	-
Grant	115	6.1	1	-	3	-
Harney	99	6.1	2	-	-	-
Hood River	250	10.4	7	2	-	-
Jackson	1,934	6.4	30	20	6	-
Jefferson	241	7.9	7	1	2	-
Josephine	803	10.0	16	8	4	-
Klamath	912	8.7	20	12	-	1
Lake	123	8.9	4	-	-	-
Lane	3,888	7.0	85	13	10	1
Lincoln	488	13.3	7	3	3	-
Linn	1,380	9.0	34	13	2	-
Malheur	493	5.5	15	-	2	-
Marion	3,275	5.8	64	3	3	1
Morrow	142	2.8	-	1	-	-
Multnomah	8,467	6.4	136	29	22	1
Polk	645	6.7	12	2	3	-
Sherman	27	17.4	-	1	-	-
Tillamook	264	10.2	10	3	-	-
Umatilla	1,073	6.6	36	2	3	2
Union	381	6.0	8	2	10	-
Wallowa	101	10.9	5	-	-	-
Wasco	350	11.4	16	2	2	-
Washington	4,177	5.8	67	7	13	-
Wheeler	15	20.0	2	-	-	-
Yamhill	957	4.8	17	1	2	-

TABLE 23. TOTAL BIRTHS BY COUNTY OF RESIDENCE AND COMPLICATIONS OF PREGNANCY, OREGON, 1984, Continued

COUNTY OF RESIDENCE	POLYHYDRA-MINIOS	POST-DATES (> 42 WEEKS)	INCOMPETENT CERVIX	GESTATIONAL DIABETES	OTHER	MULTIPLE OF THOSE LISTED
STATE	42	414	87	216	817	59
Baker	-	-	-	1	-	-
Benton	-	5	2	1	26	2
Clackamas	2	19	8	23	85	1
Clatsop	1	8	-	4	10	2
Columbia	-	9	1	3	14	1
Coos	2	14	-	3	14	4
Crook	-	2	-	-	13	1
Curry	-	1	-	-	7	-
Deschutes	-	3	5	2	38	2
Douglas	1	4	4	5	15	2
Gilliam	-	-	-	-	1	-
Grant	-	1	1	-	1	-
Harney	-	-	-	3	1	-
Hood River	2	6	1	3	5	-
Jackson	1	25	3	5	31	2
Jefferson	-	3	2	1	3	-
Josephine	1	9	4	-	38	-
Klamath	1	20	-	3	20	2
Lake	-	2	-	2	2	1
Lane	4	60	8	14	72	5
Lincoln	1	30	2	4	12	3
Linn	1	27	6	8	32	1
Malheur	-	2	1	1	5	1
Marion	2	52	6	10	46	3
Morrow	1	1	-	-	1	-
Multnomah	13	56	18	65	183	18
Polk	2	9	1	6	7	1
Sherman	-	-	-	1	2	-
Tillamook	-	4	1	3	6	-
Umatilla	1	9	-	3	13	2
Union	-	-	-	1	2	-
Wallowa	-	1	-	-	5	-
Wasco	-	5	2	1	11	1
Washington	6	18	10	35	84	4
Wheeler	-	-	-	-	1	-
Yamhill	-	9	1	5	11	-

TABLE 24. TOTAL BIRTHS BY COUNTY OF RESIDENCE AND CONCURRENT ILLNESS DURING GESTATION, OREGON, 1984

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH ILLNESS	CHRONIC HYPER-TENSION	RH SENSITI-ZATION	HERPES	DIABETES	ACUTE URINARY TRACT INFECTION	SYPHILIS	RUBELLA
STATE	39,536	3.8	159	150	283	113	67	10	1
Baker	222	2.3	1	-	1	2	-	-	-
Benton	871	1.8	1	1	-	1	-	-	-
Clackamas	3,184	3.5	18	26	16	16	1	-	
Clatsop	438	5.7	3	2	6	2	2	-	-
Columbia	505	4.4	4	3	4	2	1	-	-
Coos	901	8.1	6	1	13	3	5	-	-
Crook	208	1.9	-	-	1	-	1	-	-
Curry	181	6.6	2	-	1	-	2	-	-
Deschutes	1,006	4.6	3	4	14	2	2	1	-
Douglas	1,383	2.4	5	4	13	2	1	-	-
Gilliam	37	8.1	1	-	1	-	-	-	-
Grant	115	2.6	-	-	1	-	-	-	-
Harney	99	5.1	1	-	1	1	-	-	-
Hood River	250	3.6	1	-	-	3	-	1	1
Jackson	1,934	3.6	10	-	9	4	4	-	-
Jefferson	241	5.4	1	4	4	-	1	-	-
Josephine	803	7.0	-	1	14	3	-	1	-
Klamath	912	3.2	2	-	4	3	4	-	-
Lake	123	1.6	1	-	-	-	1	-	-
Lane	3,888	2.9	17	5	24	6	6	2	-
Lincoln	488	5.1	2	3	6	1	2	-	-
Linn	1,380	3.6	4	2	5	3	7	1	-
Malheur	493	2.8	1	1	1	1	3	-	-
Marion	3,275	2.8	8	3	20	6	3	1	-
Morrow	142	2.8	-	-	-	1	-	-	-
Multnomah	8,467	4.3	30	61	69	28	7	3	-
Polk	645	4.7	2	1	6	2	3	-	-
Sherman	27	11.1	2	-	-	-	-	-	-
Tillamook	264	6.8	-	-	4	-	1	-	-
Umatilla	1,073	1.5	2	-	3	2	2	-	-
Union	381	6.8	3	-	5	1	-	-	-
Wallowa	101	8.9	1	-	1	-	-	-	-
Wasco	350	4.6	6	-	1	1	-	-	-
Washington	4,177	3.9	17	27	30	16	7	-	-
Wheeler	15	0.0	-	-	-	-	-	-	-
Yamhill	957	2.6	4	1	5	1	1	-	-

TABLE 24. TOTAL BIRTHS BY COUNTY OF RESIDENCE AND CONCURRENT ILLNESS DURING GESTATION, OREGON, 1984, Continued

COUNTY OF RESIDENCE	THYROID DISEASE	HEART DISEASE	ABDOMINAL SURGERY	COMPLICATIONS FROM IUD	CHRONIC RENAL DISEASE	MALIGNANT DISEASE	EPILEPSY	OTHER	MULTIPLE OF THOSE LISTED
STATE	27	16	6	4	5	7	50	590	13
Baker	-	-	-	-	-	-	-	1	-
Benton	1	-	-	-	-	-	3	9	-
Clackamas	-	-	-	1	-	1	1	32	-
Clatsop	-	-	-	-	-	-	-	10	-
Columbia	-	-	-	-	-	-	-	8	-
Coos	-	1	-	-	-	-	2	42	-
Crook	-	-	-	-	-	-	-	2	-
Curry	-	-	-	-	-	-	-	7	-
Deschutes	1	-	-	-	-	-	2	16	1
Douglas	-	1	-	-	-	-	-	7	-
Gilliam	-	-	-	-	-	-	-	1	-
Grant	1	-	-	-	-	-	-	1	-
Harney	-	-	-	-	-	-	-	2	-
Hood River	-	-	-	-	-	-	-	3	-
Jackson	3	-	1	1	1	1	2	34	-
Jefferson	-	-	-	-	-	-	-	3	-
Josephine	-	-	-	-	-	1	5	31	-
Klamath	1	1	1	-	-	-	2	10	1
Lake	-	-	-	-	-	-	-	-	-
Lane	4	4	-	-	1	-	3	40	2
Lincoln	1	-	-	-	-	-	1	9	-
Linn	1	-	-	1	-	-	4	20	2
Malheur	-	-	-	-	-	-	1	6	-
Marion	4	1	-	1	-	1	4	38	1
Morrow	1	1	-	-	-	-	-	1	-
Multnomah	6	4	1	-	2	2	11	133	3
Polk	1	1	-	-	-	-	1	13	-
Sherman	-	-	-	-	-	-	-	1	-
Tillamook	2	1	-	-	-	-	1	9	-
Umatilla	-	-	-	-	1	-	2	4	-
Union	-	-	-	-	-	-	-	16	1
Wallowa	-	-	-	-	-	-	-	6	1
Wasco	-	-	-	-	-	-	-	8	-
Washington	-	-	2	-	-	1	5	56	1
Wheeler	-	-	-	-	-	-	-	-	-
Yamhill	-	1	1	-	-	-	-	11	-

TABLE 25. MATERNAL RISK FACTORS BY COUNTY OF RESIDENCE, OREGON, 1984[1/]

County	Live Births	Inade-quate Care	17 Years or Younger	35 Years or Older	4+ Live Births	Non-White	Less than 12 Years Education	Un-Wed	Plural
TOTAL	39,949	6.8	3.6	6.2	9.1	7.2	19.3	17.4	2.2
Baker	222	6.3	6.4	5.0	9.9	0.9	24.8	15.3	1.8
Benton	871	2.5	1.3	8.3	7.5	6.7	8.7	9.6	1.5
Clackamas	3,184	5.6	2.4	7.8	9.1	3.9	15.0	13.2	3.5
Clatsop	438	6.8	3.4	7.8	9.2	3.4	20.3	15.3	0.9
Columbia	505	4.4	4.0	7.3	9.6	2.0	22.3	14.3	2.4
Coos	901	8.8	4.4	4.0	7.9	6.0	25.5	20.5	0.9
Crook	208	5.3	1.4	3.4	7.2	1.4	28.4	10.1	3.4
Curry	181	6.3	2.2	3.9	7.2	1.7	18.3	14.9	0.0
Deschutes	1,006	7.4	3.5	5.6	8.5	3.5	17.6	13.1	2.5
Douglas	1,383	5.8	4.6	4.2	9.1	2.5	23.9	18.3	2.2
Gilliam	37	5.4	0.0	2.7	10.8	0.0	11.8	8.1	0.0
Grant	115	7.0	3.5	7.0	8.7	2.6	18.3	4.3	0.0
Harney	99	16.2	3.0	5.1	12.1	5.1	19.6	11.1	0.0
Hood River	250	10.4	4.0	5.2	12.8	4.8	32.0	10.4	2.0
Jackson	1,934	8.2	4.0	6.5	8.8	2.9	19.9	17.9	2.6
Jefferson	241	10.8	7.9	2.5	19.1	41.1	37.1	29.0	0.4
Josephine	803	9.1	5.4	5.9	9.6	4.2	25.1	21.8	1.6
Klamath	912	13.4	5.3	5.2	8.4	8.9	22.5	17.9	1.9
Lake	123	10.6	2.4	3.3	7.3	2.4	17.2	10.6	1.6
Lane	3,888	7.1	3.4	6.6	8.7	3.9	17.9	18.4	2.7
Lincoln	488	7.4	4.1	5.9	10.0	5.3	20.5	18.6	3.3
Linn	1,380	8.0	4.2	3.9	8.3	4.3	22.9	17.8	2.0
Malheur	493	5.7	5.9	6.7	20.1	5.9	30.3	17.8	1.6
Marion	3,275	7.4	4.2	5.9	11.5	4.5	23.1	18.2	1.4
Morrow	142	17.6	5.6	2.8	13.4	2.8	29.5	12.0	0.0
Multnomah	8,467	6.3	3.7	6.8	7.4	16.0	18.5	22.9	2.0
Polk	645	6.2	4.2	5.6	11.3	2.9	18.0	15.7	2.2
Sherman	27	3.7	7.4	3.7	3.7	0.0	18.5	7.4	11.1
Tillamook	264	3.4	4.5	5.3	6.1	2.7	20.9	14.8	0.8
Umatilla	1,073	13.5	5.0	3.4	11.1	4.3	29.5	18.8	2.2
Union	381	5.2	2.9	4.7	10.3	3.9	15.9	13.6	2.6
Wallowa	101	3.0	0.0	7.9	7.9	2.0	4.0	11.9	0.0
Wasco	350	10.9	4.0	7.4	11.5	6.6	24.6	17.7	2.0
Washington	4,177	3.7	2.0	7.3	8.5	7.4	12.3	11.2	2.3
Wheeler	15	0.0	0.0	0.0	14.3	0.0	21.4	6.7	0.0
Yamhill	957	8.5	4.0	4.7	12.6	2.7	20.8	15.6	2.4

1/ Risk factors expressed as percentage of mothers falling into risk category.

TABLE 26. INADEQUATE PRENATAL CARE BY MOTHER'S AGE, OREGON, 1984

MOTHER'S AGE	ALL LIVE BIRTHS	ADEQUATE CARE	INADEQUATE CARE [1]		NOT STATED
			Number	Rate [2]	
STATE	39,536	36,730	2,696	68.19	110
Under 15	56	45	11	196.43	-
15-19	4,245	3,535	697	164.19	13
20-24	12,035	10,990	1,012	84.09	33
25-29	12,783	12,186	558	43.65	39
30-34	7,961	7,670	275	34.54	16
35-39	2,193	2,071	116	52.90	6
40-44	248	222	24	96.77	2
45+	13	11	2	153.85	-
Not Stated	-	-	-	-	-

1 Inadequate care = Care began in third trimester or number of visits is four or less.
2 Rate per 1,000 live births.

TABLE 27. INADEQUATE PRENATAL CARE BY RACE, OREGON, 1984

RACE OF CHILD	ALL LIVE BIRTHS	ADEQUATE CARE	INADEQUATE CARE [1]		NOT STATED
			Number	Rate [2]	
STATE	39,536	36,730	2,696	68.19	110
White	35,082	32,901	2,087	59.49	94
Black	907	804	101	111.36	2
Indian	689	550	138	200.29	1
Chinese	178	168	10	56.18	-
Japanese	158	156	1	6.33	1
Hawaiian	52	45	6	115.38	1
Filipino	136	119	17	125.00	-
Hispanic	1,601	1,324	273	170.52	4
Other Asian & Pacific Islanders	714	648	63	88.24	3
Other Non-White	14	14	-	-	-
Not Stated	5	1	-	-	4

1 Inadequate care = Care began in third trimester or number of visits is four or less.
2 Rate per 1,000 live births.

TABLE 28. INADEQUATE PRENATAL CARE BY MOTHER'S EDUCATION, OREGON, 1984

YEARS OF EDUCATION	ALL LIVE BIRTHS	ADEQUATE CARE	INADEQUATE CARE [1]		NOT STATED
			Number	Rate [2]	
STATE	39,536	36,730	2,696	68.19	110
Zero	90	53	36	400.00	1
One	43	36	7	162.79	-
Two	54	40	14	259.26	-
Three	90	66	24	266.67	-
Four	64	49	15	234.38	-
Five	68	41	27	397.06	-
Six	183	137	45	245.90	1
Seven	129	91	38	294.57	-
Eight	580	446	132	227.59	2
Nine	1,236	1,005	231	186.89	-
Ten	2,350	1,978	370	157.45	2
Eleven	2,590	2,185	404	155.98	1
Twelve	15,355	14,457	888	57.83	10
Thirteen	4,010	3,844	166	41.40	-
Fourteen	3,809	3,692	115	30.19	2
Fifteen	1,488	1,442	45	30.24	1
Sixteen	4,212	4,152	57	13.53	3
Seventeen +	2,454	2,430	24	9.78	-
Not Stated	731	586	58	79.34	87

1 Inadequate care = Care began in third trimester or number of visits is four or less.
2 Rate per 1,000 live births.

TABLE 29. INADEQUATE PRENATAL CARE BY BIRTH WEIGHT, OREGON, 1984

BIRTH WEIGHT IN GRAMS	ALL LIVE BIRTHS	ADEQUATE CARE	INADEQUATE CARE [1]		NOT STATED
			Number	Rate [2]	
STATE	39,536	36,730	2,696	68.19	110
499 or less	36	15	18	500.00	3
500-999	116	79	36	310.34	1
1000-1499	193	158	35	181.35	-
1500-1999	367	309	57	155.31	1
2000-2499	1,324	1,155	165	124.62	4
2500-2999	4,865	4,385	467	95.99	13
3000-3499	13,601	12,582	979	71.98	40
3500-3999	13,223	12,531	656	49.61	36
4000-4499	4,726	4,499	220	46.55	7
4500-4999	960	900	56	58.33	4
5000 +	122	116	6	49.18	-
Not Stated	3	1	1	333.33	1

1 Inadequate care = Care began in third trimester or number of visits is four or less.
2 Rate per 1,000 live births.

TABLE 30. INADEQUATE PRENATAL CARE, BY COUNTY OF RESIDENCE, OREGON, 1984

COUNTY OF RESIDENCE	ALL LIVE BIRTHS	ADEQUATE CARE	INADEQUATE CARE [1]		NOT STATED
			Number	Rate [2]	
STATE	39,536	36,730	2,696	68.19	110
Baker	222	208	14	63.06	-
Benton	871	849	22	25.26	-
Clackamas	3,184	3,002	177	55.59	5
Clatsop	438	408	30	68.49	-
Columbia	505	480	22	43.56	3
Coos	901	820	79	87.68	2
Crook	208	197	11	52.88	-
Curry	181	133	9	49.72	39
Deschutes	1,006	930	74	73.56	2
Douglas	1,383	1,302	80	57.85	1
Gilliam	37	35	2	54.05	-
Grant	115	107	8	69.57	-
Harney	99	83	16	161.62	-
Hood River	250	223	26	104.00	1
Jackson	1934	1769	157	81.18	8
Jefferson	241	215	26	107.88	-
Josephine	803	728	73	90.91	2
Klamath	912	786	122	133.77	4
Lake	123	110	13	105.69	-
Lane	3,888	3,609	274	70.47	5
Lincoln	488	452	36	73.77	-
Linn	1,380	1,267	110	79.71	3
Malheur	493	461	28	56.80	4
Marion	3,275	3,030	241	73.59	4
Morrow	142	117	25	176.06	-
Multnomah	8,467	7,923	531	62.71	13
Polk	645	603	40	62.02	2
Sherman	27	26	1	37.04	-
Tillamook	264	255	9	34.09	-
Umatilla	1,073	926	144	134.20	3
Union	381	361	20	52.49	-
Wallowa	101	98	3	29.70	-
Wasco	350	311	38	108.57	1
Washington	4,177	4,018	153	36.63	6
Wheeler	15	14	1	66.67	-
Yamhill	957	874	81	84.64	2

1 Inadequate care = Care began in third trimester or number of visits is four or less.
2 Rate per 1,000 live births

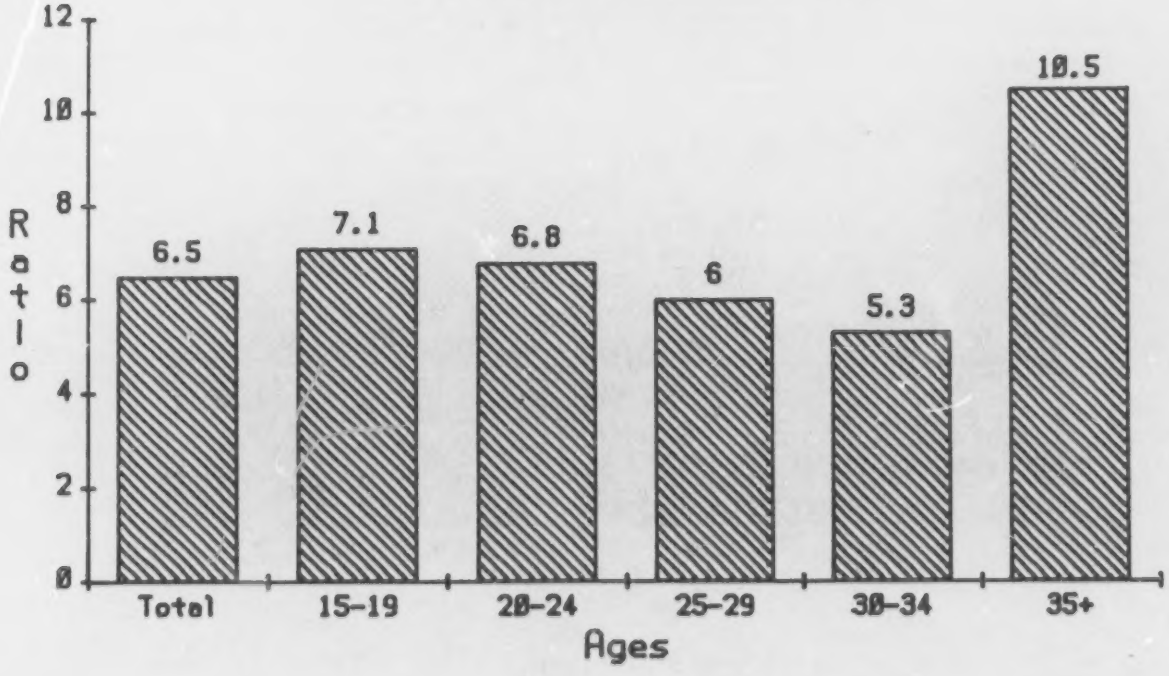
FETAL DEATHS

FETAL DEATHS

NUMBER AND RATIO In 1984, the number of fetal deaths declined very slightly to 257. The fetal death ratio (comparison of deaths to births) also declined to 6.5 fetal deaths per 1,000 live births from the 1983 ratio of 6.7. The fetal ratio has been slowly decreasing during the last 10 years. Since 1974, the ratio has dropped 20 percent. Fetal deaths in Oregon must be reported where the gestation period was over 20 weeks.

DISTRIBUTION OF MOTHER'S AGE Of the 257 fetal deaths in 1984, the largest percentage (32%) occurred to women 20-24. This age group also had a large number of births. Adjusting for age, the fetal death ratio shows teens and women over 34 with a higher risk of miscarriage in the later stages of pregnancy. The fetal death ratio for women over 34 is nearly double that for women 30-34 (see Figure 4).

FIGURE 4. FETAL DEATH RATIO BY AGE OF WOMAN
Oregon 1984
(Deaths per 1,000 births)



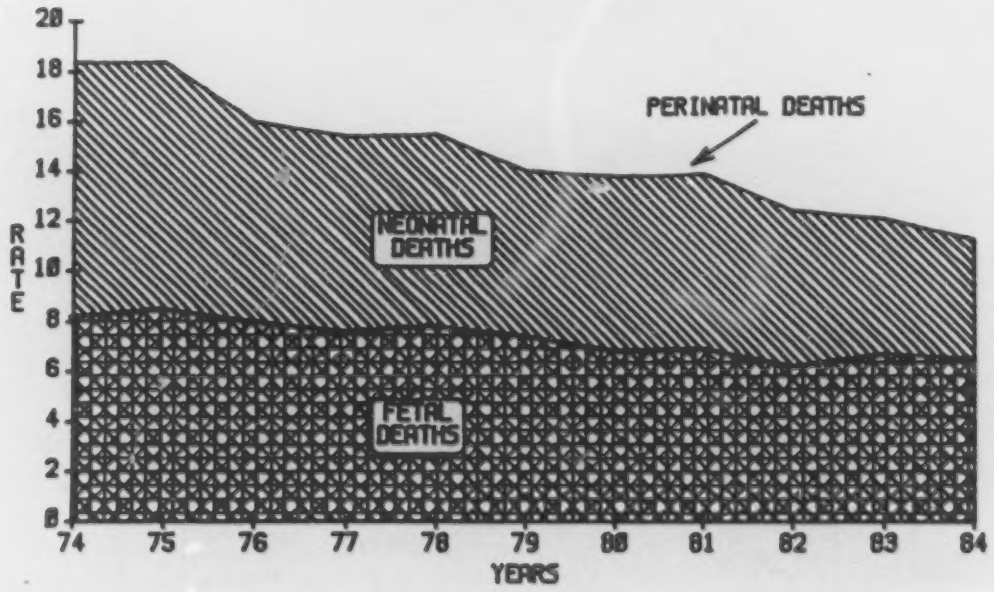
DISTRIBUTION BY RACE

Most fetal deaths are to White women, which is no surpise since the largest numbers of births are also to this racial group. The fetal death ratio by racial group does account for the population differences. Since the fetal death numbers for our minority groups are so small, they are grouped together for analysis as Non-white. In 1984, Whites had a fetal death ratio of 6.5 per 1,000 births while Non-whites had a ratio of 4.2. Since less than 25 fetal deaths have occurred to the Non-white group in any one of the last five years, the comparison between groups is made more reliable by using a five-year span. However, the five-year figure is very close to the 1984 ratio. Between 1980 and 1984, the Non-white group experienced a fetal death ratio of 5.1 compared to the White ratio of 6.6. However, the Non-white ratio is not statistically significantly different than the White ratio.

PERINATAL DEATHS

Perinatal deaths which include late gestation fetal deaths and neonatal infant deaths may be "considered as reflecting standards of obstetric and pediatric care as well as the effectiveness of social measures in general and of public health actions in particular."2/ Perinatal deaths (Figure 5) in Oregon have been declining over the last decade due largely to the more rapid decline in neonatal deaths. Fetal death ratios have proven to be stubbornly resistant to change.

FIGURE 5. PERINATAL DEATHS PER 1000 BIRTHS OREGON RESIDENTS, 1974-1984



2/ A WHO Report on Social and Biological Effects on Perinatal Mortality, Vol. I, World Health Organization, 1978.

TABLE 31. FETAL DEATHS BY WEEKS OF GESTATION AND CAUSE OF DEATH, OREGON, 1984.

CAUSE OF DEATH	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	257	67	38	24	37	12	27	28	21	3
Congenital Anomalies	29	6	6	4	3	3	2	1	3	1
Affected by Maternal Condition Which May be Unrelated	18	6	3	3	3	2	-	1	-	-
Affected by Maternal Complications of Pregnancy	31	24	5	1	-	-	-	1	-	-
Complications of Placenta, Cord & Membranes	115	22	14	13	15	6	17	16	10	2
Slow Fetal Growth & Fetal Malnutrition	3	-	1	-	2	-	-	-	-	-
Disorders Relating To Short Gestation & Low Birth Weight	2	2	-	-	-	-	-	-	-	-
Disorder Relating To Long Gestation & High Birth Weight	3	-	-	-	-	-	-	-	3	-
Intrauterine Hyporia & Birth Asphyxia	9	1	2	-	-	-	1	3	2	-
Other Respiratory	2	-	-	-	2	-	-	-	-	-
Haemolytic Disease	2	-	1	-	-	-	1	-	-	-
Endocrine or Metabolic Disturbances	5	1	-	1	3	-	-	-	-	-
Integument & Temperature Regulation	3	2	1	-	-	-	-	-	-	-
Other & Ill-Defined	53	7	9	4	12	1	9	8	3	-

TABLE 32. FETAL DEATHS BY WEEKS OF GESTATION AND AGE OF MOTHER, OREGON, 1984.

AGE OF MOTHER	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
Total	257	67	38	24	37	12	27	28	21	3
15-19	30	11	3	5	4	1	-	4	2	-
20-24	82	21	11	9	17	3	5	10	6	-
25-29	77	21	14	7	7	2	10	5	10	1
30-34	42	7	7	1	8	3	6	6	3	1
35-39	23	7	3	2	1	2	5	3	-	-
40-44	2	-	-	-	-	1	1	-	-	-
45 & over	1	-	-	-	-	-	-	-	-	1

TABLE 33. FETAL DEATHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1984

COUNTY OF RESIDENCE	AGE OF MOTHER								
	TOTAL	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
STATE	257	30	82	77	42	23	2	1	-
State Ratio	6.5	7.1	6.8	6.0	5.3	10.5	-	-	-
Baker	5	3	-	-	2	-	-	-	-
Benton	7	-	4	2	-	1	-	-	-
Clackamas	17	-	5	7	2	3	-	-	-
Clatsop	4	-	-	3	-	1	-	-	-
Columbia	1	-	1	-	-	-	-	-	-
Coos	10	2	3	3	1	1	-	-	-
Crook	4	2	2	-	-	-	-	-	-
Curry	1	1	-	-	-	-	-	-	-
Deschutes	9	2	5	2	-	-	-	-	-
Douglas	7	-	4	1	1	1	-	-	-
Gilliam	-	-	-	-	-	-	-	-	-
Grant	2	-	1	-	1	-	-	-	-
Harney	1	-	1	-	-	-	-	-	-
Hood River	2	-	2	-	-	-	-	-	-
Jackson	7	1	3	2	-	1	-	-	-
Jefferson	-	-	-	-	-	-	-	-	-
Josephine	9	1	4	1	2	1	-	-	-
Klamath	3	-	-	2	-	1	-	-	-
Lake	-	-	-	-	-	-	-	-	-
Lane	28	3	9	7	8	1	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-
Linn	11	3	4	3	1	-	-	-	-
Malheur	4	1	1	1	-	1	-	-	-
Marion	25	2	6	8	7	2	-	-	-
Morrow	3	-	-	3	-	-	-	-	-
Multnomah	35	2	12	16	3	2	-	-	-
Polk	4	1	-	-	2	1	-	-	-
Sherman	1	-	-	1	-	-	-	-	-
Tillamook	-	-	-	-	-	-	-	-	-
Umatilla	10	1	1	5	1	-	1	1	-
Union	5	2	-	1	1	-	1	-	-
Wallowa	-	-	-	-	-	-	-	-	-
Wasco	1	-	1	-	-	-	-	-	-
Washington	27	-	9	5	9	4	-	-	-
Wheeler	-	-	-	-	-	-	-	-	-
Yamhill	14	3	4	4	1	2	-	-	-

No ratio for events occurring less than 5 times.
Ratios per 1,000 live births.

MORTALITY

MORTALITY

OREGON DEATH RATE EXCEEDS U.S. Prior to 1983, Oregon's death rate had been declining; this decade-long trend was reversed in that year, with the increase continuing in 1984. A rate of 868.5 resident deaths per 100,000 population was recorded in 1984 compared to 826.4 in 1980 and 876.1 in 1975. For the first time since 1973, Oregon's death rate exceeded the United States' rate (866.7), albeit marginally. Since 1980, the death rate for females increased 10.1 percent (724.1 to 797.5) while the male rate increased only 1.1 percent (931.8 to 941.9). Mortality decreased in 1984 among children under 15 years old, but increased for persons 15 and older, except for 15-24 year-old females and males 65 or older (Figure 6). The largest percent increase (17.8) in male age-specific rates occurred among 15-24 year-olds, while 25-44 females demonstrated a 9.5 percent increase. The total number of resident deaths, 23,101, is the highest recorded for any one year. One Oregonian dies every 23 minutes.

HEART DISEASE RATES STABLE Heart disease death rates exhibited a steady decline during the 1970's; between 1979 and 1982 the rate was relatively stable, but in 1983 increased to 1977 levels. During 1984, the rate remained virtually unchanged at 301.1 compared to 300.2 the previous year. Since 1980, the death rate for males has decreased 2.5 percent, from 339.0 to 330.8. However, females are more apt to die as a consequence of heart disease now than they were five years ago; an 11.5 percent increase occurred in their death rate. Heart disease is the preeminent cause of death, accounting for more than one in three deaths and one resident death every 1.1 hours. The Oregon death rate has consistently been lower than the national rate, and is 7.7 percent lower than the estimated 1984 national rate (324.4). Many conditions are included in the complex of heart disease. Most common are myocardial infarctions, coronary occlusions, coronary thromboses and arteriosclerotic and cardiovascular heart diseases, which comprise about 80 percent of all heart disease. The infarctions, occlusions and thromboses are acute, often terminal events, while the others represent chronic ailments of the cardiac function.

FEMALE LUNG CANCER UP MARKEDLY The inexorable upward trend exhibited by the malignant neoplasm death rate over the past several decades continued in 1984, reaching a record 202.5, exceeding the estimated United States rate (191.6) by 5.7 percent. Oregon's rate increased 7.9 percent between 1983 and 1984, the sharpest gain in the past two decades. The lungs are the most common site for both males and females. However, the increase among females is striking; for the period 1980-1984, lung cancer death rates increased 53.6 percent, from 27.4 to 42.1. The increase (11.0 percent) among males is less extreme, although the rates are higher; in 1980 the rate was 69.8, rising to 77.5 in 1984. About one in every twelve men who die, die from lung cancer. After lung cancer, the other common sites of malignant neoplasms for males are:

FIGURE 6. AGE-SPECIFIC DEATH RATES
OREGON RESIDENTS, 1975-1984

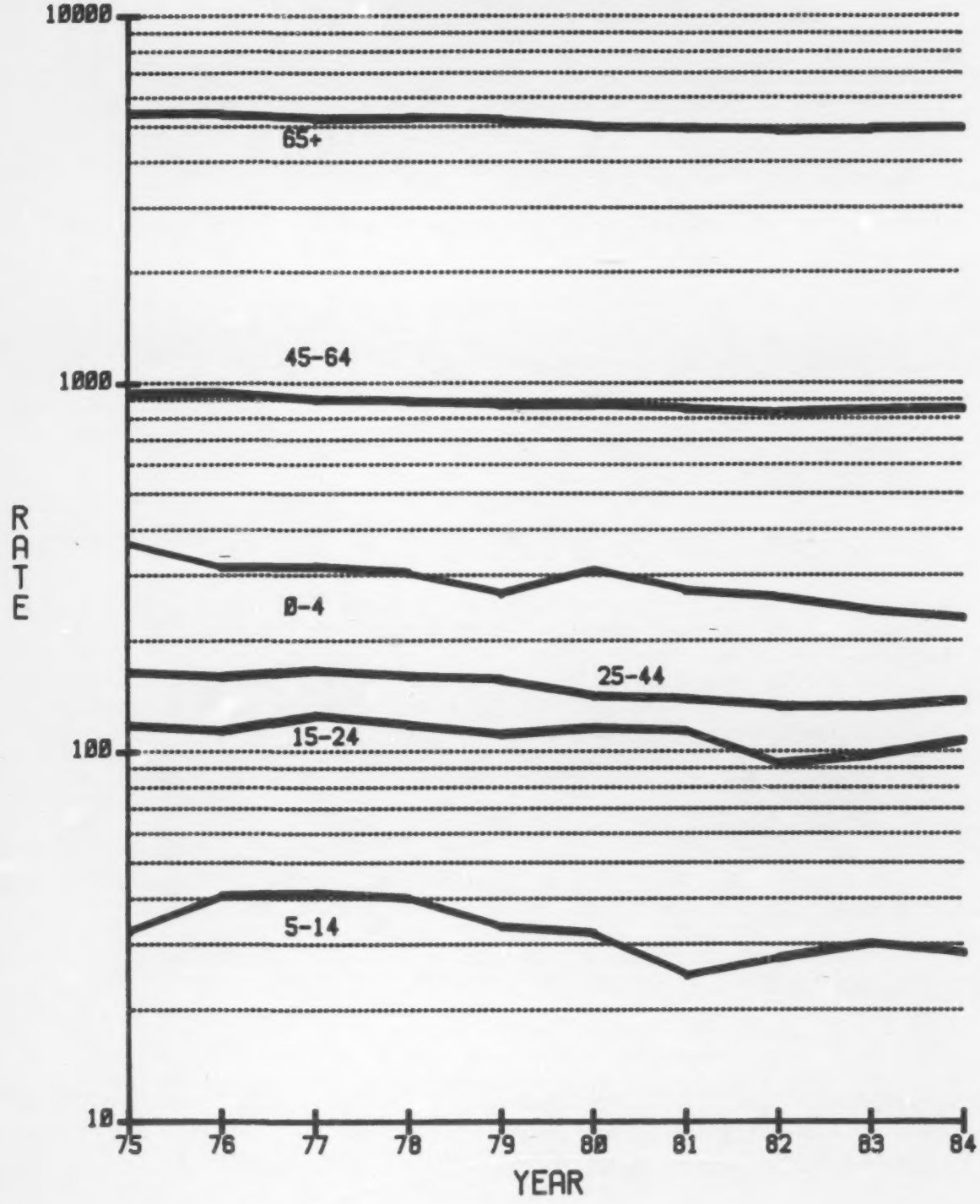
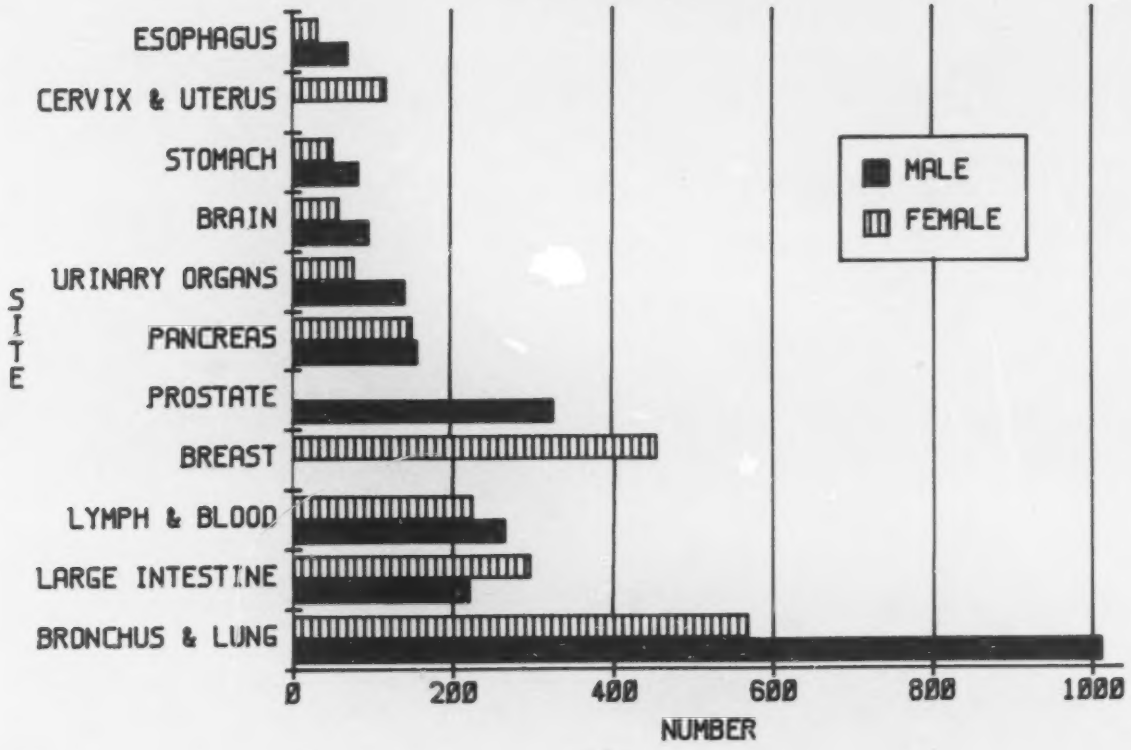


FIGURE 7. DEATHS DUE TO MALIGNANT NEOPLASMS BY SITE AND SEX OREGON RESIDENTS, 1984

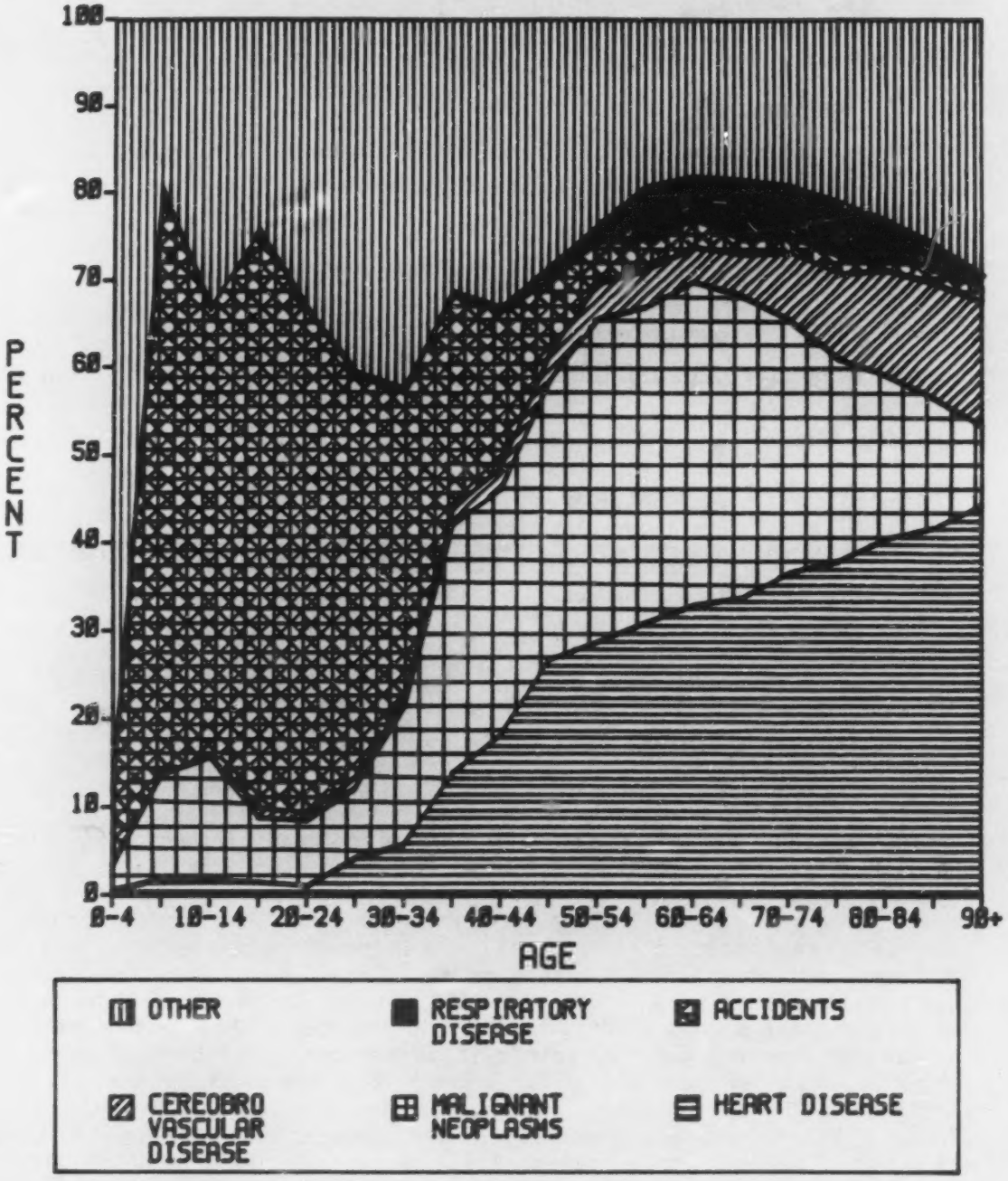


prostate, large intestine, pancreas and stomach. For females the sites are: breast, large intestine, ovary and pancreas. Cancer claims an Oregonian every 1.6 hours.

CEREBROVASCULAR DEATHS RESUME DOWNWARD TREND

The decade-long downward trend of the cerebrovascular disease death rate resumed in 1984 after a temporary reversal in 1983. The rate now stands at 72.1, still slightly higher than 1982 levels. Cerebrovascular disease ranks third overall after heart disease and malignant neoplasms, but fourth (59.8) among males following accidents (64.0). The cerebrovascular disease death rate for females is 84.1. The death rate for this cause has consistently been higher in Oregon than in the rest of the nation for the past 20 years; it is currently 9.9 percent above the estimated national rate of 65.6. Every 4.6 hours an Oregon resident succumbs to cerebrovascular disease. Sudden circulatory crises such as strokes, thromboses and hemorrhages are common acute forms of these diseases; cerebral arteriosclerosis is a chronic form. These cerebral conditions account for about one death in ten, and are more common in the older age groups.

FIGURE 8. PERCENTAGE OF DEATHS BY CAUSE AND AGE
OREGON RESIDENTS, 1984



ACCIDENTAL DEATHS UP SLIGHTLY

Until 1983, the accidental death rate had been declining since the late 1970's, mostly due to a decrease among male accidental deaths. During 1983 the downward trend reversed, with the rate increasing 9.5 percent. This upward trend continued in 1984, but at a lesser pace, just 1.6 percent over the 1983 value. The Oregon death rate for accidents (44.6) is 11.2 percent above the estimated U.S. rate of 40.1. Death rates due to accidents are typically higher east of the Cascade Range and in Central Oregon in particular. Accidents continue to be the leading cause of death for persons between 1 and 34 years of age. Motor vehicle accidents (607) account for just over half of the total accidental deaths (1,185) to Oregonians; two-thirds of the decedents were between 15 and 44 years of age. However, among victims of falls (141), the second most prevalent type of accident, most are 65 or older. A majority (83) of the fatal falls occur in the home. Drownings and burns rank third and fourth respectively. The improvement seen in the public accident death rates in recent years was reversed in 1984; the rate (10.7) is higher than the 1980 rate (10.4). Home accident rates have shown no particular trend recently; the rate for 1984 (7.8) is only marginally lower than for 1980 (8.1). The death rate for work accidents decreased during four of the five past years and was 2.1 in 1984 compared to 2.5 in 1980. Every 7.4 hours, an accident claims the life of an Oregonian.

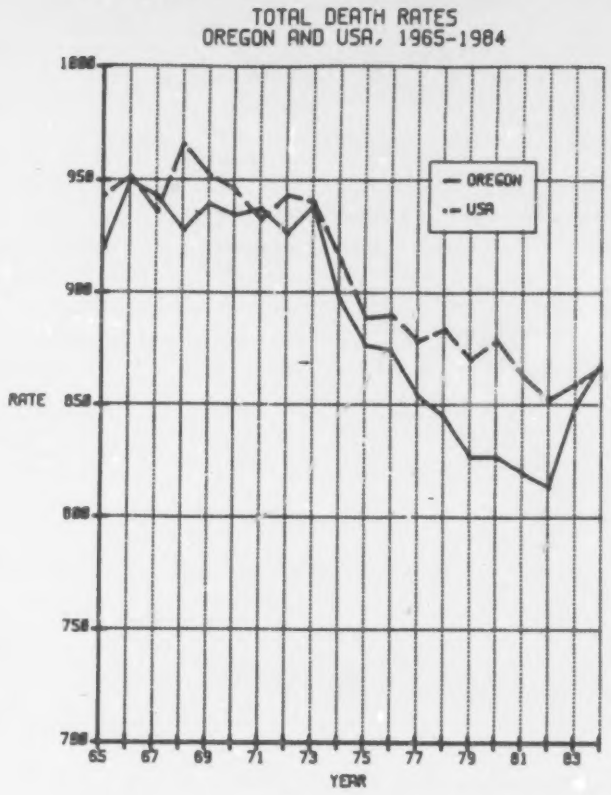
CHRONIC RESPIRATORY DEATHS UP IN FEMALES

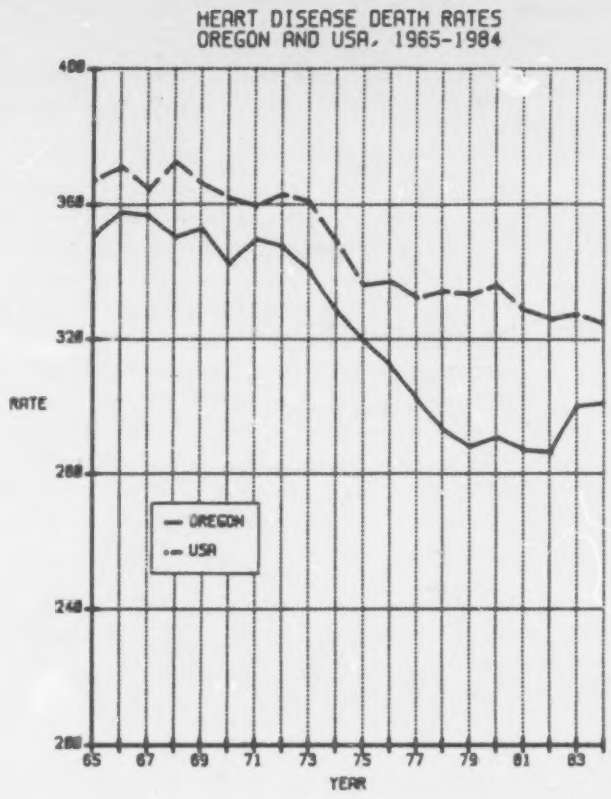
Overall, chronic respiratory disease (asthma, bronchitis, bronchiectasis, emphysema, COPD) rates decreased for the first time in seven years in 1984. However, the rate continued to increase among females, rising to 27.9, up from 26.6 in 1983 and 20.1 in 1980, a 38.8 percent increase in five years. Most of the increase in chronic obstructive respiratory disease rates in recent years is due to larger numbers of female deaths, although male rates are slightly higher than in 1980. The decline in the overall 1984 rate is a consequence of a 6.5 percent drop in the death rate of males during the year. Most of the increase between 1980 and 1984 among females was due to COPD deaths; the death rate for this cause increased 45.8 percent. Oregon's total rate is 20.8 percent higher than the estimated United States rate of 29.8 per 100,000 population. Chronic respiratory disease death rates have been highest in Southwestern Oregon in recent years. Every 9.1 hours an Oregon resident dies as a consequence of chronic respiratory disease.

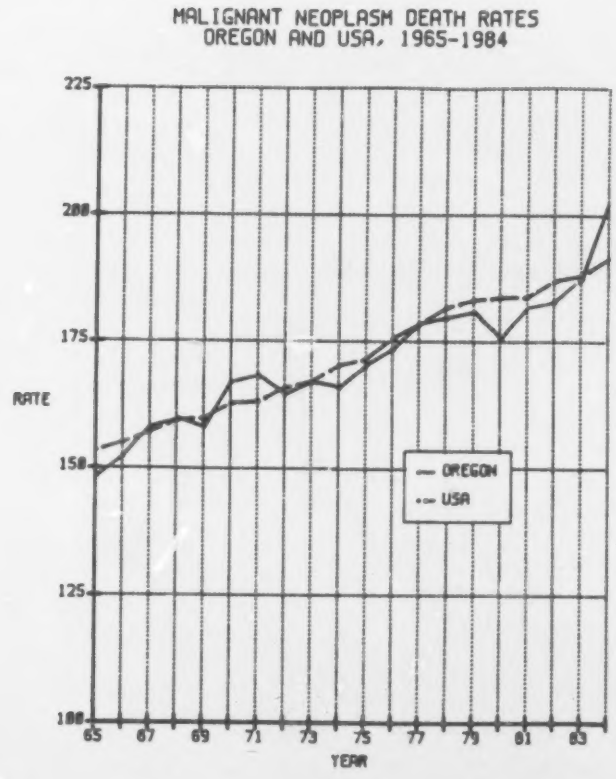
PNEUMONIA AND INFLUENZA DEATHS HIGHEST SINCE 1977

During 1984, the death rate for pneumonia and influenza reached its highest level since 1977. This, the sixth leading cause of death, rose 13.3 percent between 1983 and 1984. Typically, the pneumonia and influenza mortality rate is higher for females than males, and this was true during 1984, when rates of 29.3 and 25.1, respectively, were recorded. Oregon's mortality rate (27.3) is 9.2 percent higher than the estimated national rate of 25.0. Every 12.0 hours, pneumonia or influenza claims an Oregonian.

FIGURE 9.


TOTAL DEATH RATES
OREGON AND USA, 1965-1984
RATE
YEAR
OREGON
USA


HEART DISEASE DEATH RATES
OREGON AND USA, 1965-1984
RATE
YEAR
OREGON
USA


MALIGNANT NEOPLASM DEATH RATES
OREGON AND USA, 1965-1984
RATE
YEAR
OREGON
USA

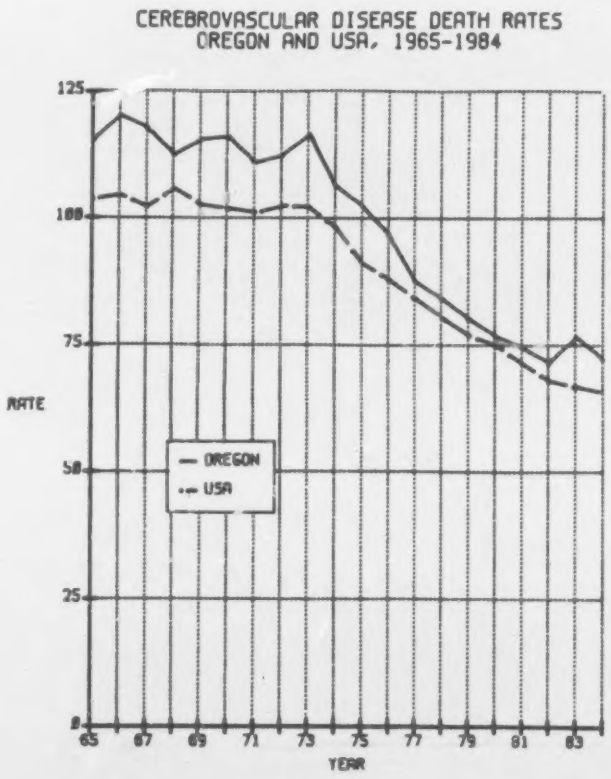
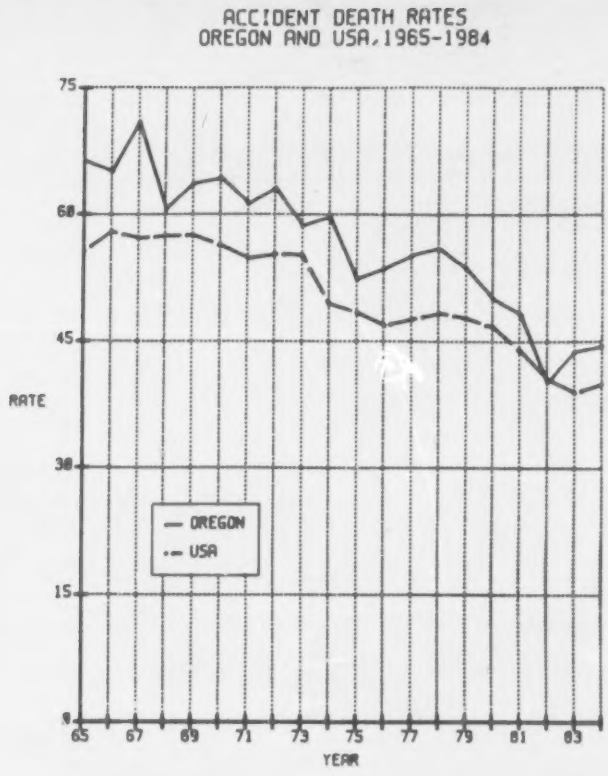
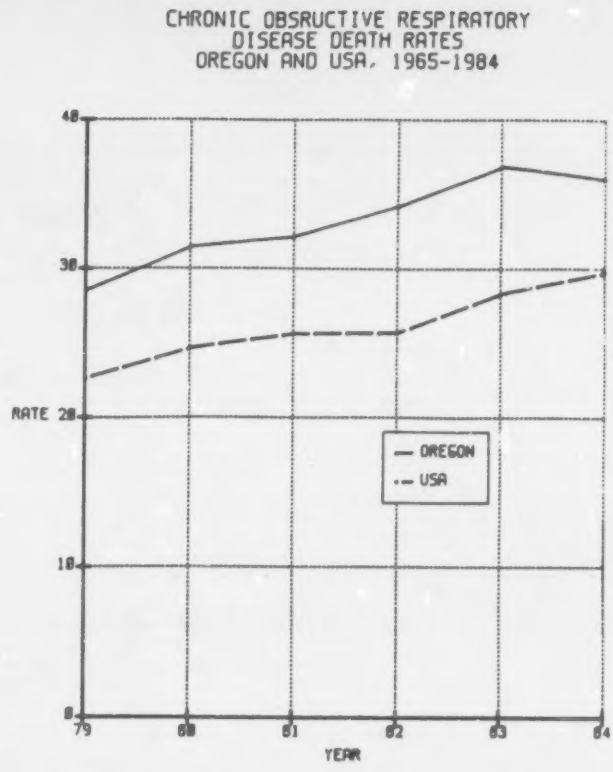

CEREBROVASCULAR DISEASE DEATH RATES
OREGON AND USA, 1965-1984
RATE
YEAR
OREGON
USA

FIGURE 10.





RECORD LOW ARTERIOSCLEROSIS DEATH RATE

The arteriosclerosis death rate dropped 9.0 percent to 16.2 in 1984, a record low. Despite this improvement, Oregonians continue to die from this cause at a markedly greater frequency compared to all U.S. residents. The Oregon rate is 55.8 percent higher than the national rate of 10.4. Arteriosclerosis is the tenth leading cause of death nationally, but ranks seventh in Oregon. The rate for males was 14.9, compared to 17.4 for females. An Oregon resident succumbs to arteriosclerosis every 20.3 hours. Figures do not include all deaths involving arteriosclerosis since many have been classified to more specific manifestations of cardiac and cerebral disease.

OREGON'S SUICIDE RATE 29 PERCENT HIGHER THAN U.S.

Suicide deaths increased again during 1984, reaching levels higher than any time since 1977. Suicide rates are about three and one-half times higher for men (26.0) than women (7.1). Males between the ages of 25 and 64 have similar death rates, but after age 64, the rate turns sharply upward. The rate for men 75 and older (83.0) is four times higher than that for 15 to 24 year-olds (21.2). Unlike elderly men, the rate for women 75 and older is little different than for their counterparts in the 15-24 year-old category, 5.9 and 5.7 respectively. The peak suicide years for women are 45-54. Guns (61.0 percent) are the most popular method of suicide, followed by poisons (20.8 percent) and hanging (10.4 percent). However, the method varies within different age and sex cohorts. As in the past, the rate for Oregon was substantially higher (29.3 percent) than for the U.S., 15.9 for the former and 12.3 for the latter. An Oregonian takes his or her own life every 20.3 hours.

FIGURE 11. THE TEN LEADING CAUSES OF MORTALITY
RANKED BY DEATH RATES
OREGON, 1984

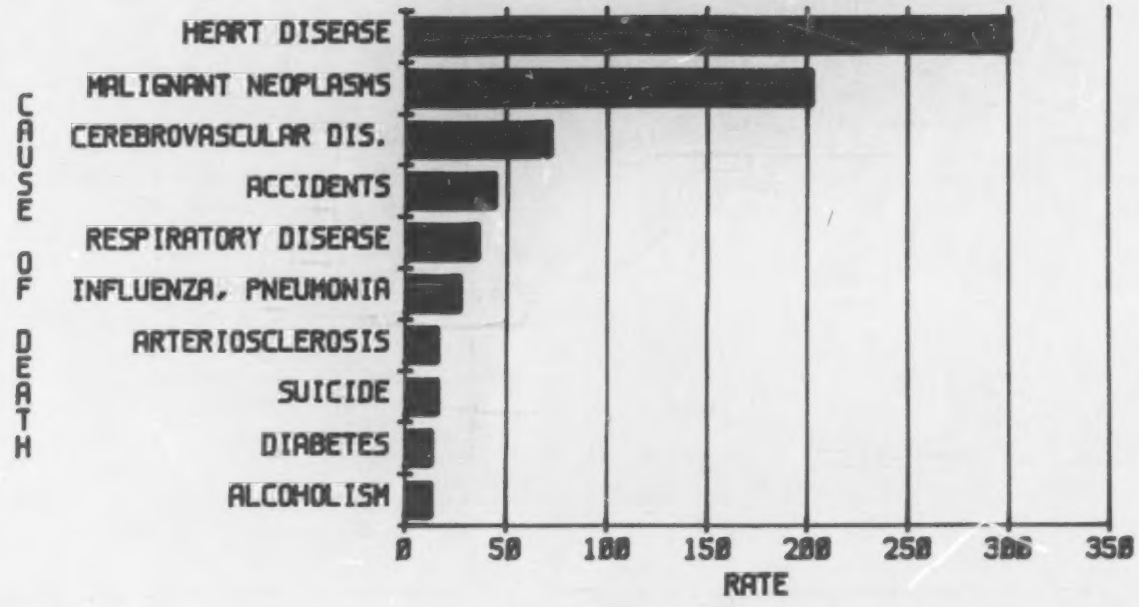
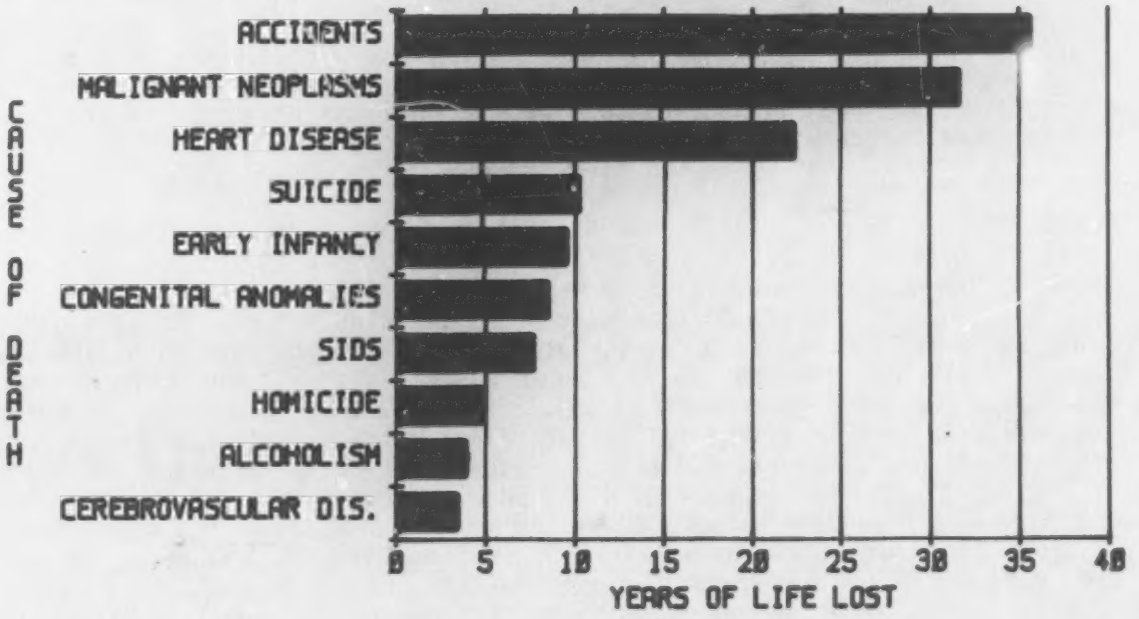


FIGURE 12. THE TEN LEADING CAUSES OF YEARS OF LIFE LOST
(IN THOUSANDS OF YEARS)
OREGON, 1984



ALCOHOLISM TWO TIMES MORE LIKELY IN MALES

Deaths due to consumption of alcohol increased marginally during 1984. Although alcoholism is the ninth leading cause of death, with a rate of 12.9, among males it ranks eighth. The rate for females (7.3) is less than half that for males (18.7). Death from this cause occurs most frequently among men 55-64 years old; the age-specific death rate is 81.1 compared to 21.7 for women in this age-group. This complex of diseases includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy and alcoholic liver disease. The latter accounts for about three out of four of the deaths (76.4 percent). Two of every five alcoholism deaths occurred to Multnomah County residents, although only one in five Oregonians reside in that county. A natural alcohol death occurs every 25.5 hours. Actually, if accidental deaths, suicides and homicides which involved alcohol were included, this category would rank substantially higher. Because the Center For Health Statistics queries physicians about deaths which might involve alcohol, the rate for the natural effects of alcohol is not comparable to total U.S. data.

DIABETES RATE HIGHEST IN TEN YEARS

During 1984, the diabetes death rate reached its highest level since 1975. Prior to 1982, the rate had generally been declining. Despite this increase, Oregon's rate of 12.9 is 20.9 percent below the estimated national rate of 15.6. Diabetes ranks as the seventh leading cause of death nationally, but only tenth in Oregon. Historically, rates have been higher for females than males, and that was the case during 1984, with a rate of 13.9 for the former and 11.9 for the latter. Every 25.5 hours, diabetes claims tha life of an Oregonian.

YEARS OF LIFE LOST

Mortality rates alone do not show the complete impact upon society of certain causes of death. The deaths of young people are of a greater "cost" to society than deaths of older people in terms of lost years. The years of life lost index multiplies the number of deaths in each category by the average number of years remaining in their lifetime. (Statisticians usually assume individuals have 70 years of "productive" life.) This method places more emphasis on causes which affect the young. Figures 11 and 12 demonstrate the disparity between death rates and the years of life lost. Compared to crude death rates, both traumatic deaths and causes associated with infancy rank higher when years of life lost are tabulated. Accidents increase from fourth to first, suicide from eighth to fourth, and homicides from fifteenth to eighth.

INFANT DEATHS

The infant death rate has often been used as an indicator of the general health of a population. Unlike other mortality rates which use the general population as the group at risk, the infant death rate is calculated by dividing the number of deaths to children under one year of age by the number of births. The deaths of 388 Oregon infants in 1984 represent a rate of 9.8 per 1,000 births. Oregon's infant death rate has been consistently lower than the national rate. From 1974 to 1984 the U.S. infant death rate dropped 36.5 percent from 16.7 to 10.6 while the Oregon rate declined 34.7 percent from the 1974 rate of 15.0 to 9.8 in 1984.

FIGURE 13. NEONATAL DEATH RATES
U.S. AND OREGON, 1974-1984

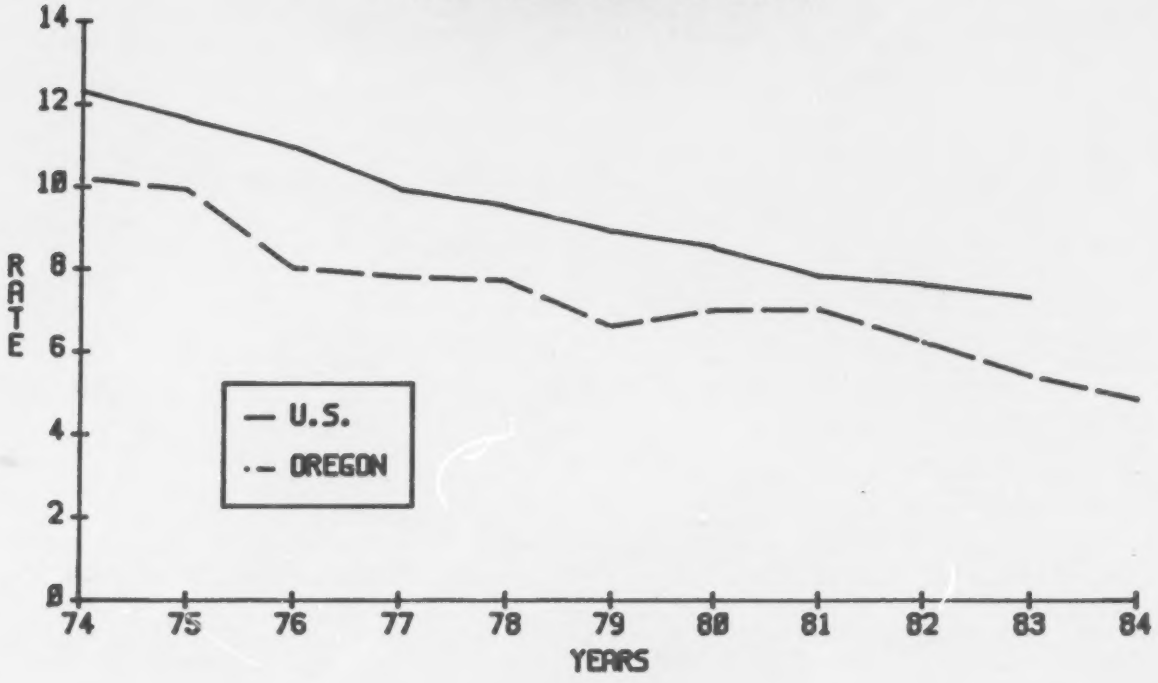
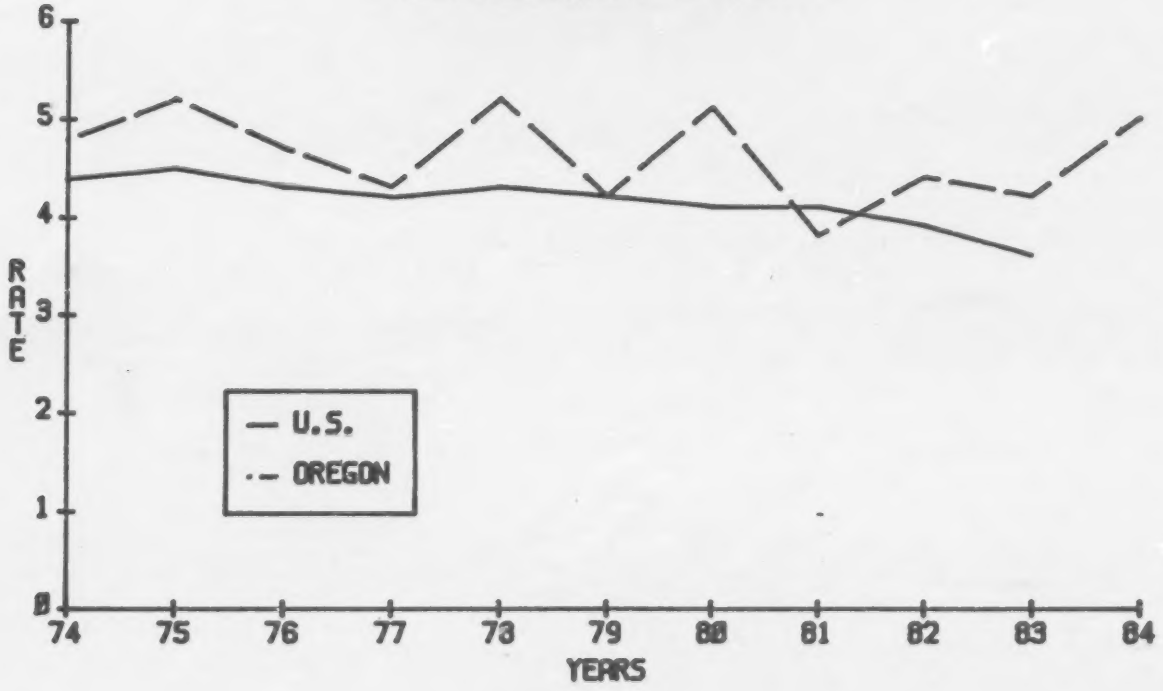


FIGURE 14. POSTNEONATAL DEATH RATES
U.S. AND OREGON, 1974-1984



NEONATAL DEATHS

Much of the decline in infant deaths can be attributed to the dramatic improvement in saving babies during the first 27 days of life. In 1984 the Oregon neonatal rate was 4.8. Oregon has been consistently below the U.S. rate (Figure 13).

POST-NEONATAL RATE

The rate of death for infants between 28 days and 1 year, however, has not shown the same improvement. The 1984 rate of 5.0 is not significantly lower than the rate of a decade ago. The failure to show improvement in post-neonatal deaths is not a national trend. The Oregon rate is typically higher. Much more yearly variation is seen in the post-neonatal compared to yearly changes in the neonatal rates. In fact, the gap between the neonatal and post-neonatal death rate has closed. For the first time, more infants have died in the post-neonatal stage than in the first critical 27 days. Ten years ago 32 percent of Oregon infant deaths occurred in the post-neonatal period. In 1984, 51 percent were of this age group. As changes occur in the ages of infants who die, strategies for improving infant survival must also change (Figure 14).

One reason Oregon post-neonatal death rates are high is because Oregon has a high SIDS death rate. SIDS has ranked as the number two cause of infant death in recent years. But in 1984, it became the leading cause of infant death. Almost all SIDS deaths occur in the post-neonatal period. Technological advances in the medical care of neonates may also partially account for the higher proportion of post-neonatal deaths by delaying the deaths of infants who would have otherwise died during the first 27 days of life.

TABLE 34. AGE SPECIFIC DEATH RATES BY SEX, OREGON, 1940, 1950, 1960, 1970, 1975-1984

YEAR & SEX	TOTAL	AGE GROUPS					
		0 - 4	5 - 14	15-24	25-44	45-64	65+
1940 Deaths	1131.4	953.9	116.6	199.1	317.7	1322.7	7154.3
Male	1336.2	1122.6	140.5	267.4	374.5	1650.8	7831.0
Female	912.7	788.1	91.9	130.4	258.2	944.7	6395.2
1950 Deaths	912.9	588.1	61.7	148.2	242.0	1105.7	5836.7
Male	1097.2	459.9	74.1	226.0	317.4	1411.4	6619.2
Female	722.6	515.6	48.7	73.0	166.0	711.9	5025.0
1960 Deaths	949.1	566.3	42.5	107.0	210.5	1053.1	5796.9
Male	1141.2	640.3	53.3	158.4	273.3	1420.3	6854.2
Female	758.9	489.7	31.2	58.3	149.9	679.0	4838.8
1970 Deaths	933.8	411.4	42.9	134.4	184.4	1015.1	5617.3
Male	1107.6	437.8	56.5	198.9	241.7	1375.4	6893.0
Female	767.2	383.9	28.7	74.4	128.7	670.2	4607.6
1975 Deaths	876.1	364.8	32.5	118.0	164.4	925.1	5419.6
Male	1016.0	414.9	39.5	171.2	224.4	1239.7	6551.6
Female	747.2	312.5	25.3	64.9	107.4	631.0	4553.3
1976 Deaths	873.7	313.8	40.6	113.5	159.0	940.7	5384.1
Male	1005.2	350.6	52.5	160.0	221.1	1234.1	6532.4
Female	748.1	275.3	28.1	66.8	100.0	667.4	4470.4
1977 Deaths	853.8	315.4	41.3	125.1	166.0	896.4	5236.9
Male	984.2	376.4	51.8	183.7	213.5	1198.4	6311.3
Female	729.3	251.5	30.4	65.8	103.7	616.3	4424.5
1978 Deaths	844.3	303.0	39.9	117.7	159.3	888.1	5273.2
Male	965.7	330.4	50.4	174.5	228.4	1170.1	6303.4
Female	728.3	274.5	29.1	59.8	93.9	627.1	4486.9
1979 Deaths	826.4	267.1	33.4	110.7	156.1	869.1	5181.5
Male	956.1	308.2	42.5	167.8	227.9	1157.5	6308.5
Female	702.7	224.3	23.9	52.3	87.7	603.4	4333.3
1980 Deaths	826.4	310.7	31.9	115.8	140.8	870.8	4977.2
Male	931.8	333.9	36.9	167.8	193.4	1157.4	6013.3
Female	724.1	286.1	26.7	63.6	87.5	602.9	4209.3
1981 Deaths	819.3	272.6	24.7	113.5	138.1	847.9	4913.6
Male	916.8	301.0	31.2	168.6	187.5	1118.5	5857.9
Female	724.7	242.8	18.0	57.9	88.1	594.5	4206.7
1982 Deaths	813.0	261.4	27.5	92.3	132.0	826.3	4850.4
Male	899.3	290.8	35.4	132.1	177.6	1053.1	5769.2
Female	729.2	230.9	19.2	51.5	86.2	614.0	4158.8
1983 Deaths	848.6	240.4	30.2	97.3	131.6	843.1	4909.3
Male	927.1	258.2	39.0	136.0	183.6	1074.5	5816.4
Female	773.0	221.8	21.0	57.9	81.8	626.9	4245.4
1984 Deaths	868.5	228.7	28.5	107.4	137.8	854.5	4956.6
Male	941.9	252.5	39.1	160.2	185.8	1083.3	5808.1
Female	797.5	204.1	17.4	53.0	89.6	639.3	4332.5

All rates per 100,000 population within specific age-groups.

TABLE 35. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1965-1984

YEAR	TOTAL	MAJOR CARDIOVASCULAR DISEASES			MALIGNANT NEOPLASMS	DIABETES MELLITUS	INFLUENZA & PNEUMONIA	CHRONIC RESPIRATORY DISEASES[1]	CIRRHOSIS OF LIVER	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	EXTERNAL CAUSES		
		Diseases of Heart	Cerebrovascular Disease	Arteriosclerosis								Accident	Suicide	Homicide
1965	18,133	6,922	2,276	467	2,925	270	527	329	260	379	174	1,311	304	76
1966	18,979	7,156	2,405	496	3,046	279	766	430	290	385	179	1,302	253	68
1967	18,908	7,157	2,361	502	3,175	255	553	403	261	344	161	1,424	268	61
1968	19,017	7,182	2,308	466	3,278	284	610	464	259	352	164	1,245	302	67
1969	19,548	7,349	2,407	454	3,287	310	698	464	257	306	185	1,325	289	83
1970	19,530	7,158	2,429	461	3,493	312	554	520	288	298	149	1,347	303	93
1971	20,087	7,492	2,377	455	3,608	285	566	577	338	314	175	1,314	319	81
1972	20,216	7,581	2,453	433	3,594	290	599	529	348	272	158	1,379	301	116
1973	20,881	7,569	2,593	501	3,718	331	782	633	367	240	154	1,307	364	112
1974	20,320	7,441	2,408	451	3,762	272	584	609	365	228	160	1,354	362	1[illegible]
1975	20,142	7,342	2,355	429	3,917	310	606	624	331	233	153	1,204	361	130
1976	20,459	7,306	2,264	445	4,065	300	800	664	348	177	157	1,257	351	96
1977	20,457	7,239	2,096	445	4,283	284	562	625	377	194	168	1,324	399	125
1978	20,870	7,249	2,079	485	4,447	297	658	698	312	190	168	1,387	385	125
1979	21,024	7,329	2,041	444	4,608	285	608	728	352	195	155	1,367	351	113
1980	21,756	7,659	2,021	486	4,625	297	704	829	349	219	160	1,319	388	145
1981	21,798	7,639	1,986	509	4,839	303	609	856	370	214	140	1,285	398	118
1982	21,594	7,601	1,901	482	4,859	297	609	912	299	168	165	1,064	396	146
1983	22,361	7,910	2,021	470	4,943	329	634	971	301	148	156	1,156	417	112
1984	23,101	8,010	1,919	431	5,387	343	725	957	318	136	152	1,185	423	135
1965	919.5	351.0	115.4	23.7	148.3	13.7	26.7	16.7	13.2	19.2	8.8	66.4	15.4	3.9
1966	949.1	357.8	120.3	24.8	152.3	14.0	38.3	21.5	14.5	19.3	9.0	65.1	12.7	3.4
1967	942.4	356.7	117.7	25.0	158.2	12.7	27.6	20.1	13.0	17.1	8.0	71.0	13.4	3.0
1968	927.3	350.2	112.5	22.7	159.8	13.8	29.7	22.6	12.6	17.2	8.0	60.7	14.7	3.3
1969	939.1	353.0	115.6	21.8	157.9	14.9	33.5	22.3	12.3	14.7	8.9	63.7	13.9	4.0
1970	933.8	342.3	116.1	22.0	167.0	14.9	26.5	24.9	13.8	14.2	7.1	64.4	14.5	4.4
1971	937.3	349.6	110.9	21.2	168.4	13.3	26.4	26.9	15.8	14.7	8.2	61.3	14.9	3.8
1972	926.0	347.2	112.4	19.8	164.6	13.3	27.4	24.2	15.9	12.5	7.2	63.2	13.8	5.3
1973	938.5	340.2	116.5	22.5	167.1	14.9	35.1	28.5	16.5	10.8	6.9	58.7	16.4	5.0
1974	896.7	328.4	106.3	19.9	166.0	12.0	25.8	26.9	16.1	10.1	7.1	59.8	16.0	5.4
1975	876.1	319.4	102.4	18.7	170.4	13.5	26.4	27.1	14.4	10.1	6.7	52.4	15.7	5.7
1976	873.7	312.0	96.7	19.0	173.6	12.8	34.2	28.4	14.9	7.6	6.7	53.7	15.0	5.1
1977	853.8	302.1	87.5	18.6	178.7	11.9	23.5	26.1	15.7	8.1	7.0	55.3	16.7	5.2
1978	844.3	293.2	84.1	19.6	179.9	12.0	26.6	28.2	12.6	7.7	6.8	56.1	15.6	5.1
1979	826.4	288.1	80.2	17.5	181.1	11.2	23.9	28.6	13.8	7.7	6.1	53.7	13.8	4.4
1980	826.4	290.9	76.8	18.5	175.7	11.3	26.7	31.5	13.3	8.3	6.1	50.1	14.7	5.5
1981	819.2	287.1	74.6	19.1	181.9	11.4	22.9	32.2	13.9	8.0	5.3	48.3	15.0	4.4
1982	813.0	286.2	71.6	18.1	182.9	11.2	22.9	34.3	11.3	6.3	6.2	40.1	14.9	5.5
1983	848.6	300.2	76.7	17.8	187.6	12.5	24.1	36.9	11.4	5.6	5.9	43.9	15.8	4.3
1984	868.5	301.1	72.1	16.2	202.5	12.9	27.3	36.0	12.0	5.1	5.7	44.5	15.9	5.1

[1] Includes Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Disease.
All rates per 100,000 population.

TABLE 36. THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE GROUPS, OREGON 1984

AGE AND CAUSE OF DEATH		BOTH SEXES		RATE*	
		Number	Percent	Male	Female
ALL AGES	ALL CAUSES	23,101	100.0	941.9	797.5
	1. Diseases of the heart	8,010	34.7	330.8	272.5
	2. Malignant Neoplasms	5,387	23.3	216.6	188.9
	3. Cerebrovascular Diseases	1,919	8.3	59.8	84.1
	4. Accidents	1,185	5.1	64.0	25.8
	5. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	957	4.1	44.4	27.9
UNDER 1 YEAR	ALL CAUSES[1]	388	100.0	1,048.5	909.1
	1. Sudden Infant Death Syndrome	109	28.1	317.0	231.2
	2. Congenital Anomalies	96	24.7	253.6	231.2
	3. Respiratory Distress Syndrome	28	7.2	78.0	63.1
	4. Other Early Infancy Causes	26	6.7	63.4	68.3
	5. Other Respiratory Causes	20	5.2	48.8	52.5
1 - 4 YEARS	ALL CAUSES	73	100.0	53.6	36.3
	1. Accidents	30	41.1	21.9	15.0
	2. Congenital Anomalies	13	17.8	8.5	7.5
	2. Malignant Neoplasms	9	12.3	4.9	6.3
	4. Other Early Infancy Causes	3	4.1	1.2	2.5
	5. Homicides	1	1.4	1.2	0.0
5 - 14 YEARS	ALL CAUSES	108	100.0	39.1	17.4
	1. Accidents	63	58.3	26.2	6.5
	2. Malignant Neoplasms	14	13.0	4.1	3.3
	3. Homicides	6	5.6	1.0	2.2
	4. Suicide	4	3.7	2.1	0.0
	5. Congenital Anomalies	3	2.8	1.0	0.5

* Rates per 100,000 population except where noted.

1 Rate per 100,000 live births.

TABLE 36. Continued

AGE AND CAUSE OF DEATH		BOTH SEXES		RATE*	
		Number	Percent	Male	Female
15 - 24 YEARS	ALL CAUSES	460	100.0	160.2	53.0
	1. Accidents	280	60.9	100.8	28.9
	2. Suicides	58	12.6	21.2	5.7
	3. Malignant Neoplasms	34	7.4	12.0	3.8
	4. Homicides	28	6.1	8.3	4.7
	5. Undetermined External Causes	8	1.7	2.3	1.4
25 - 44 YEARS	ALL CAUSES	1,152	100.0	185.8	89.6
	1. Accidents	344	29.9	64.2	18.0
	2. Malignant Neoplasms	236	20.5	24.6	31.9
	3. Suicides	146	12.7	28.7	6.2
	4. Diseases of the Heart	127	11.0	23.2	7.2
	5. Homicide	57	4.9	9.3	4.3
45 - 64 YEARS	ALL CAUSES	4,057	100.0	1,083.3	639.3
	1. Malignant Neoplasms	1,461	36.0	334.6	282.4
	2. Diseases of the Heart	1,262	31.1	395.9	143.5
	3. Alcoholic Diseases	179	4.4	59.1	17.6
	4. Bronchitis, Emphysema, Asthma & Chronic Obsturctive Pulmonary Diseases	172	4.2	36.5	36.0
	5. Accidents	168	4.1	53.4	18.4
65 YEARS & OVER	ALL CAUSES	16,863	100.0	5,808.1	4,332.5
	1. Disease. of the Heart	6,610	39.2	2,299.1	1,681.9
	2. Malignant Neoplasms	3,630	21.5	1,334.4	871.0
	3. Cerebrovascular Diseases	1,732	10.3	469.1	538.4
	4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	780	4.6	341.9	146.7
	5. Influenza & Pneumonia	658	3.9	202.9	186.4

NOTE: "Alcoholic Diseases" includes Alcoholic Cirrhosis of Liver, Alcoholic Psychosis, Alcoholic Dependence Syndrome, Alcoholic Gastritis, Alcoholic Cardiomyopathy and Alcoholic Polyneuropathy.

TABLE 37. LEADING CAUSES OF DEATH BY RANK ORDER FOR RESIDENT MALES & FEMALES, OREGON, 1984

RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
	MALES			
	TOTAL	12,311	941.9	100.0
1.	Diseases of the Heart	4,323	330.8	35.1
2.	Malignant Neoplasms	2,831	216.6	23.0
3.	Accidents	836	64.0	6.8
4.	Cerebrovascular Disease	781	59.8	6.3
5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	580	44.4	4.7
6.	Suicide	340	26.0	2.8
7.	Influenza & Pneumonia	328	25.1	2.7
8.	Alcoholic Diseases	244	18.7	2.0
9.	Arteriosclerosis	195	14.9	1.6
10.	Other Diseases of Arteries	167	12.8	1.4
11.	Diabetes Mellitus	155	11.9	1.3
12.	Nephritis & Nephrosis	94	7.2	0.8
13.	Homicide	87	6.7	0.7
14.	Congenital Anomalies	86	6.6	0.7
15.	Certain Causes in Early Infancy	73	5.6	0.6
	All Other Causes	1,191	91.1	9.7
	FEMALE			
	TOTAL	10,790	797.5	100.0
1.	Diseases of the Heart	3,687	272.5	34.2
2.	Malignant Neoplasms	2,556	188.9	23.7
3.	Cerebrovascular Disease	1,138	84.1	10.5
4.	Influenza & Pneumonia	397	29.3	3.7
5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	377	27.9	3.5
6.	Accidents	349	25.8	3.2
7.	Arteriosclerosis	236	17.4	2.2
8.	Diabetes Mellitus	188	13.9	1.7
9.	Alcoholic Diseases	99	7.3	0.9
10.	Other Diseases of Arteries	86	6.4	0.8
11.	Suicide	83	6.1	0.8
12.	Nephritis & Nephrosis	80	5.9	0.7
13.	Congenital Anomalies	66	4.9	0.6
14.	Certain Causes in Early Infancy	63	4.7	0.6
15.	Homicide	48	3.5	0.4
	All Other Causes	1,337	98.8	12.4

TABLE 38. AGE SPECIFIC DEATH RATES BY SEX FOR THE LEADING CAUSES OF DEATH, OREGON, 1984

CAUSE OF DEATH	AGE GROUPS									
	TOTAL	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALL CAUSES	868.5	228.7	28.5	107.4	115.7	165.9	463.6	1247.2	2673.4	8393.8
Male	941.9	252.5	39.1	160.2	168.9	207.1	596.3	1594.7	3514.5	10034.8
Female	797.5	204.1	17.4	53.0	63.0	124.0	333.2	934.2	1967.6	7418.7
Disease of the Heart	301.1	1.5	.5	1.4	6.0	26.9	129.9	402.4	948.5	3439.8
Male	330.8	1.0	.5	2.3	8.1	42.1	209.5	591.6	1338.0	4070.0
Female	272.5	2.0	.5	.5	3.8	11.5	51.6	231.9	621.7	3065.4
Malignant Neoplasms	202.5	6.0	3.7	7.9	13.9	46.5	160.5	455.6	834.1	1417.6
Male	216.6	3.9	4.1	12.0	13.7	38.3	164.6	513.2	1038.9	1878.9
Female	188.9	8.1	3.3	3.8	14.0	54.9	156.6	403.7	662.2	1143.5
Cerebrovascular Disease	72.1	1.5	0.0	.9	1.3	3.5	17.2	50.7	171.7	1017.0
Male	59.8	1.9	0.0	.5	1.7	2.2	19.5	64.1	191.9	980.0
Female	84.1	1.0	0.0	1.4	.9	4.9	15.0	38.5	154.7	1039.0
Accidents	44.5	17.9	16.6	65.4	46.1	34.8	29.0	41.8	48.4	143.6
Male	64.0	20.5	26.2	100.8	74.2	51.8	45.8	61.5	66.5	179.8
Female	25.8	15.2	6.5	28.9	18.3	17.6	12.5	24.1	33.3	122.1
Bronchitis, Emphysema, Asthma & COPD	36.0	.5	0.0	0.0	.4	.5	7.6	65.0	166.8	323.3
Male	44.4	1.0	0.0	0.0	.4	1.1	5.9	68.6	221.9	563.1
Female	27.9	0.0	0.0	0.0	.4	0.0	9.2	61.8	120.6	180.8
Pneumonia & Influenza	27.3	1.0	0.0	.5	2.3	1.1	8.0	12.2	37.7	427.9
Male	25.1	1.9	0.0	.9	3.0	1.1	5.1	15.1	51.5	482.1
Female	29.3	0.0	0.0	0.0	1.7	1.1	10.8	9.6	26.1	395.6
Arteriosclerosis	16.2	0.0	0.0	0.0	0.0	0.0	1.7	7.2	29.4	257.7
Male	14.9	0.0	0.0	0.0	0.0	0.0	2.5	10.7	39.7	282.5
Female	17.4	0.0	0.0	0.0	0.0	0.0	.8	4.0	20.7	243.0
Suicides	15.9	0.0	1.1	13.5	18.1	16.6	24.8	21.5	28.4	34.6
Male	26.0	0.0	2.1	21.2	30.4	26.4	36.5	33.9	50.4	83.0
Female	6.1	0.0	0.0	5.7	6.0	6.6	13.3	10.4	9.9	5.9
Alcoholism, Alcoholic cirrhosis, & Alcoholic Psychosis	12.9	0.0	0.0	0.0	2.6	6.3	25.6	49.8	46.0	25.8
Male	18.7	0.0	0.0	0.0	3.4	7.6	38.2	81.1	67.5	45.4
Female	7.3	0.0	0.0	0.0	1.7	4.9	13.3	21.7	27.9	14.1

TABLE 38. AGE SPECIFIC DEATH RATES BY SEX FOR THE LEADING CAUSES OF DEATH, OREGON, 1984 (Continued)

CAUSE OF DEATH	AGE GROUPS									
	TOTAL	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Diabetes Mellitus	12.9	0.0	0.0	.2	1.5	2.4	8.4	16.0	44.0	131.1
Male	11.9	0.0	0.0	.5	1.7	3.2	11.0	15.1	54.7	124.5
Female	13.9	0.0	0.0	0.0	1.3	1.6	5.8	16.9	35.1	135.0
Other Disease of Arteries	9.5	0.0	0.0	0.0	.2	1.1	2.1	9.3	41.1	100.9
Male	12.8	0.0	0.0	0.0	.4	1.1	3.4	13.4	67.5	162.0
Female	6.4	0.0	0.0	0.0	0.0	1.1	.8	5.6	18.9	64.6
Nephritis & Nephrosis	6.5	1.5	0.0	0.0	.9	1.1	2.1	5.1	23.5	72.2
Male	7.2	1.9	0.0	0.0	.9	1.1	1.7	7.1	27.9	102.7
Female	5.9	1.0	0.0	0.0	.9	1.1	2.5	3.2	19.8	54.0
Congenital Anomalies	5.7	54.1	.8	1.2	1.1	.8	.8	1.3	4.9	8.8
Male	6.6	57.5	1.0	1.8	1.3	1.1	1.7	1.8	6.4	11.9
Female	4.9	50.5	.5	.5	.9	.5	0.0	.8	3.6	7.0
Certain Causes In Early Infancy	5.1	67.0	0.0	0.0	0.0	.3	0.0	0.0	0.0	0.0
Male	5.6	71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	4.7	62.6	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0
Homicides	5.1	2.0	1.6	6.5	7.5	6.0	8.8	3.8	3.9	1.5
Male	6.7	3.9	1.0	8.3	9.4	9.2	11.9	4.5	4.3	2.0
Female	3.5	0.0	2.2	4.7	5.5	2.7	3.8	3.2	3.6	1.2
Sudden Infant Death Syndrome	4.1	54.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	5.0	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	3.3	44.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypertension	2.7	0.0	0.0	0.0	0.0	0.0	.8	2.5	10.3	30.9
Male	2.1	0.0	0.0	0.0	0.0	0.0	.8	1.8	11.8	27.7
Female	3.2	0.0	0.0	0.0	0.0	0.0	.8	3.2	9.0	32.9
Peptic Ulcer	2.5	0.0	0.0	.2	0.0	.5	.8	5.9	4.4	28.0
Male	2.4	0.0	0.0	.5	0.0	.5	.8	8.0	1.1	35.6
Female	2.6	0.0	0.0	0.0	0.0	.5	.8	4.0	7.2	23.5
Injuries Undetermined Whether Accidentally or Purposely Inflicted	2.3	1.5	.3	1.9	4.9	2.7	2.1	2.1	2.4	.7
Male	3.2	1.9	.5	2.3	7.3	2.7	4.2	2.7	4.3	0.0
Female	1.4	1.0	0.0	1.4	2.6	2.7	0.0	1.6	.9	1.2

All rates per 100,000 population within the specific age groups.

TABLE 39. DEATHS BY MARITAL STATUS, SEX AND AGE GROUPS, OREGON, 1984

MARITAL STATUS & SEX	TOTAL	AGE AT DEATH							
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
TOTAL*	23,101	569	190	270	252	290	294	316	455
Male	12,311	335	133	215	186	208	185	199	290
Female*	10,790	234	57	55	66	82	109	117	165
SINGLE*	2,217	569	184	207	116	73	53	31	27
Male	1,451	335	131	171	98	57	44	23	18
Female*	766	234	53	36	18	16	9	8	9
MARRIED	10,638	-	6	49	91	135	169	192	294
Male	7,509	-	2	37	62	93	95	116	194
Female	3,129	-	4	12	29	42	74	76	100
WIDOWED	7,856	-	-	2	4	2	4	6	20
Male	1,940	-	-	1	2	-	2	3	7
Female	5,916	-	-	1	2	2	2	3	13
DIVORCED	2,306	-	-	11	41	77	67	79	113
Male	1,334	-	-	5	24	55	43	50	70
Female	972	-	-	6	17	22	24	29	43
UNKNOWN	84	-	-	1	-	3	1	8	1
Male	77	-	-	1	-	3	1	7	1
Female	7	-	-	-	-	-	-	1	-

	AGE AT DEATH								
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90 +
TOTAL	648	1,132	1,822	2,420	3,045	3,205	3,131	2,698	2,364
Male	413	671	1,119	1,479	1,799	1,769	1,534	1,065	711
Female	235	461	703	941	1,246	1,436	1,597	1,633	1,653
SINGLE	35	67	86	94	142	134	148	127	124
Male	27	56	62	63	101	89	86	49	41
Female	8	11	24	31	41	45	62	78	83
MARRIED	419	758	1,201	1,538	1,776	1,655	1,266	758	331
Male	271	461	790	1,078	1,271	1,227	940	596	276
Female	148	297	411	460	505	428	326	162	55
WIDOWED	35	99	233	458	801	1,163	1,536	1,682	1,811
Male	13	19	73	133	228	309	418	371	361
Female	22	80	160	325	573	854	1,118	1,311	1,450
DIVORCED	151	204	295	314	317	241	175	129	92
Male	94	131	187	192	190	133	85	47	28
Female	57	73	108	122	127	108	90	82	64
UNKNOWN	8	4	7	16	9	12	6	2	6
Male	8	4	7	13	9	11	5	2	5
Female	-	-	-	3	-	1	1	-	1

* Includes one with age not stated.

TABLE 40 RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1984

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
	ALL CAUSES	23,101	388	73	108	460	542	610	1,103	2,954	5,465	6,336	5,062
	MALE	12,311	215	44	76	348	394	384	703	1,790	3,278	3,303	1,776
	FEMALE	10,790	173	29	32	112	148	226	400	1,164	2,187	3,033	3,286
	I. INFECTIVE AND PARASITIC DISEASES												
010-018, 137	Tuberculosis, All Forms	23	-	-	-	-	-	3	3	2	3	10	2
	Male	17	-	-	-	-	-	2	3	1	2	8	1
	Female	6	-	-	-	-	-	1	-	1	1	2	1
038	Septicemia	72	2	1	-	-	-	1	1	8	12	23	24
	Male	32	1	1	-	-	-	-	1	3	5	11	10
	Female	40	1	-	-	-	-	1	-	5	7	12	14
070	Viral Hepatitis	17	1	-	-	1	3	3	1	3	2	2	1
	Male	10	-	-	-	-	2	3	1	3	1	-	-
	Female	7	1	-	-	1	1	-	-	-	1	2	1
Residual of 001-139	Other Infective & Parasitic Diseases	60	5	-	3	4	4	1	5	7	8	13	10
	Male	33	2	-	2	2	3	1	4	3	7	5	4
	Female	27	3	-	1	2	1	-	1	4	1	8	6
	II. NEOPLASMS												
140-208	Malignant Neoplasms	5,387	3	9	14	34	65	171	382	1,079	1,705	1,316	609
	Male	2,831	-	4	8	26	32	71	194	576	969	704	247
	Female	2,556	3	5	6	8	33	100	188	503	736	612	362
140-149	Of Buccal Cavity & Pharynx	92	-	-	-	-	-	1	12	23	31	20	5
	Male	54	-	-	-	-	-	1	8	15	18	10	2
	Female	38	-	-	-	-	-	-	4	8	13	10	3
150-159	Of Digestive Organs & Peritoneum	1,280	-	-	1	-	11	24	62	220	409	353	200
	Male	640	-	-	-	-	7	9	39	132	231	158	64
	Female	640	-	-	1	-	4	15	23	88	178	195	136
150	Esophagus	104	-	-	-	-	1	1	10	21	35	26	10
	Male	71	-	-	-	-	1	-	7	20	25	16	2
	Female	33	-	-	-	-	-	1	3	1	10	10	8
151	Stomach	136	-	-	-	-	2	3	8	18	40	41	24
	Male	84	-	-	-	-	-	2	6	13	27	25	11
	Female	52	-	-	-	-	2	1	2	5	13	16	13
153	Large Intestine (exc. Rectum)	520	-	-	-	-	3	4	21	78	179	151	84
	Male	222	-	-	-	-	3	1	10	31	94	60	23
	Female	298	-	-	-	-	-	3	11	47	85	91	61

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
154	Rectum	79	-	-	-	-	1	1	3	20	23	20	11
	Male	42	-	-	-	-	1	-	2	11	13	8	7
	Female	37	-	-	-	-	-	1	1	9	10	12	4
157	Pancreas	307	-	-	-	-	1	9	16	63	95	86	37
	Male	156	-	-	-	-	1	3	12	43	52	33	12
	Female	151	-	-	-	-	-	6	4	20	43	53	25
160-165	Of Respiratory/Intrathoracic Organ	1,637	-	1	1	2	4	33	131	420	594	360	91
	Male	1,055	-	-	1	2	3	17	72	267	395	239	54
	Female	582	-	1	-	-	1	16	54	153	199	121	37
162.2-.9	Bronchus and Lung	1,534	-	-	1	-	3	30	128	405	576	355	86
	Male	1,014	-	-	1	-	3	14	74	255	381	234	52
	Female	570	-	-	-	-	-	16	54	150	195	121	34
170-175	Of Bone, Connective Tissue, Skin and Breast	597	-	-	1	6	20	45	69	133	144	111	68
	Male	91	-	-	-	3	5	7	11	22	26	12	5
	Female	506	-	-	1	3	15	38	58	111	118	99	63
174-175	Breast	458	-	-	-	-	13	34	56	102	108	89	56
	Male	3	-	-	-	-	-	-	1	2	-	-	-
	Female	455	-	-	-	-	13	34	55	100	108	89	56
179-187	Of Genital Organs	616	-	-	-	5	12	13	25	88	193	189	91
	Male	335	-	-	-	3	3	-	3	28	102	130	66
	Female	281	-	-	-	2	9	13	22	60	91	59	25
179-182	Cervix & Uterus	118	-	-	-	-	7	5	9	21	34	28	14
183.0	Ovary	149	-	-	-	2	2	7	13	38	50	25	9
185	Prostate	326	-	-	-	-	-	-	2	27	101	130	66
188-189	Of Urinary Organs	219	-	-	-	-	-	6	12	35	63	62	41
	Male	142	-	-	-	-	-	5	9	24	44	42	18
	Female	77	-	-	-	-	-	1	3	11	19	20	23
188	Bladder	121	-	-	-	-	-	-	6	12	30	41	32
	Male	83	-	-	-	-	-	-	5	10	24	29	15
	Female	38	-	-	-	-	-	-	1	2	6	12	17
190-199	Of Other & Unspecified Sites	455	-	6	6	7	3	28	37	88	136	93	51
	Male	248	-	3	4	5	1	18	25	54	77	46	15
	Female	207	-	3	2	2	2	10	12	34	59	47	36
191	Brain	154	-	2	4	5	2	18	23	35	44	18	3
	Male	96	-	2	2	3	1	12	15	23	26	11	1
	Female	58	-	-	2	2	1	6	8	12	18	7	2

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
200-208	Of Lymphatic and Hematopoietic Tissues	491	3	2	5	14	15	21	34	72	135	128	62
	Male	266	-	1	3	13	13	14	22	34	76	67	23
	Female	225	3	1	2	1	2	7	12	38	59	61	39
204-208	Leukemia	20[illegible]	3	1	4	7	5	10	15	24	48	57	34
	Male	118	-	-	3	6	5	6	8	13	31	32	14
	Female	90	3	1	1	1	-	4	7	11	17	25	20
204	Lymphatic Leukemia	56	-	-	1	2	1	1	3	5	14	16	13
	Male	34	-	-	-	1	1	-	3	3	9	12	5
	Female	22	-	-	1	1	-	1	-	2	5	4	8
210-229	Benign Neoplasms	22	1	-	-	-	1	4	1	3	2	10	-
	Male	8	-	-	-	-	-	2	-	-	2	4	-
	Female	14	1	-	-	-	1	2	1	3	-	6	-
230-239	In Situ, Uncertain Behavior & Unspecified Nature Neoplasms	45	2	-	-	1	3	-	1	7	13	10	8
	Male	21	-	-	-	-	3	-	1	5	2	6	4
	Female	24	2	-	-	1	-	-	-	2	11	4	4
	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES												
250	Diabetes Mellitus	343	-	-	-	1	7	9	20	38	90	113	65
	Male	155	-	-	-	1	4	6	13	17	51	41	22
	Female	188	-	-	-	-	3	3	7	21	39	72	43
Residual of 240-279	Other Endocrine, Nutritional, and Metabolic Diseases	121	1	-	4	4	7	6	6	9	27	28	29
	Male	54	-	-	1	3	5	6	3	4	14	11	7
	Female	67	1	-	3	1	2	-	3	5	13	17	22
	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS												
280-285	Anemias	20	-	2	1	-	-	-	-	2	3	8	4
	Male	10	-	2	-	-	-	-	-	1	2	3	2
	Female	10	-	-	1	-	-	-	-	1	1	5	2
Residual of 280-289	Other Diseases of the Blood and Blood-Forming Organs	50	-	-	-	-	1	-	3	9	15	15	7
	Male	32	-	-	-	-	1	-	3	4	10	8	6
	Female	18	-	-	-	-	-	-	-	5	5	7	1
	V. MENTAL DISORDERS												
291	Alcoholic Psychoses	5	-	-	-	-	-	-	2	1	2	-	-
	Male	4	-	-	-	-	-	-	2	-	2	-	-
	Female	1	-	-	-	-	-	-	-	1	-	-	-

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
303	Alcoholism	64	-	-	-	-	2	6	8	25	15	7	1
	Male	48	-	-	-	-	1	4	6	21	10	5	1
	Female	16	-	-	-	-	1	2	2	4	5	2	-
304	Drug Dependence	1	-	-	-	-	1	-	-	-	-	-	-
	Male	1	-	-	-	-	1	-	-	-	-	-	-
	Female	-	-	-	-	-	-	-	-	-	-	-	-
Residual of 290-319	Other Mental Disorders	203	-	-	3	1	2	1	1	6	21	69	99
	Male	67	-	-	2	1	1	-	1	2	7	27	26
	Female	136	-	-	1	-	1	1	-	4	14	42	73
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS												
320-322	Meningitis	8	2	-	-	-	-	-	1	3	2	-	-
	Male	6	1	-	-	-	-	-	1	3	1	-	-
	Female	2	1	-	-	-	-	-	-	-	1	-	-
332	Parkinson's Disease	99	-	-	-	-	-	-	-	2	27	49	21
	Male	54	-	-	-	-	-	-	-	1	19	22	12
	Female	45	-	-	-	-	-	-	-	1	8	27	9
345	Epilepsy	17	-	-	-	3	-	7	2	3	1	1	-
	Male	12	-	-	-	2	-	7	2	-	-	1	-
	Female	5	-	-	-	1	-	-	-	3	1	-	-
Residual of 320-389	Hereditary & Degenerative Diseases	307	6	8	4	6	5	9	11	33	71	92	62
	Male	138	4	6	2	4	4	4	2	13	35	49	15
	Female	169	2	2	2	2	1	5	9	20	36	43	47
	VII. DISEASES OF THE CIRCULATORY SYSTEM												
390-448	Major Cardiovascular Diseases	10,696	5	1	2	10	35	117	362	1,123	2,458	3,417	3,166
	Male	5,504	3	-	1	6	24	85	278	770	1,541	1,754	1,042
	Female	5,192	2	1	1	4	11	32	84	353	917	1,663	2,124
390-398, 402, 404-429	Diseases of the Heart	8,022	3	-	2	6	28	100	310	958	1,942	2,494	2,179
	Male	4,333	1	-	1	5	19	79	247	669	1,251	1,321	740
	Female	3,689	2	-	1	1	9	21	63	289	691	1,173	1,439
390-398	Rheumatic Fever & Chronic Rheumatic Heart Disease	98	-	-	-	-	1	2	7	12	31	28	17
	Male	33	-	-	-	-	-	1	4	4	14	7	3
	Female	65	-	-	-	-	1	1	3	8	17	21	14
402,404	Hypertensive Heart Disease with/without Renal Disease	224	-	-	-	-	1	1	3	20	62	83	54
	Male	86	-	-	-	-	1	1	2	9	27	34	12
	Female	138	-	-	-	-	-	-	1	11	35	49	42

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
410-414	Ischemic Heart Disease	6,009	-	-	-	-	14	73	245	756	1,498	1,851	1,572
	Male	3,361	-	-	-	-	11	63	369	545	996	1,014	527
	Female	2,648	-	-	-	-	3	10	40	211	502	837	1,045
410	Myocardial Infarction	2,228	-	-	-	-	5	32	94	353	634	686	424
	Male	1,296	-	-	-	-	3	26	79	255	396	384	153
	Female	932	-	-	-	-	2	6	15	98	238	302	271
411	Other Acute & Subacute	16	-	-	-	-	-	-	2	2	2	8	2
	Male	11	-	-	-	-	-	-	1	1	2	6	1
	Female	5	-	-	-	-	-	-	1	1	-	2	1
412-414	Chronic Ischemic Heart Disease	3,765	-	-	-	-	9	41	149	401	862	1,157	1,146
	Male	2,054	-	-	-	-	8	37	125	289	598	624	373
	Female	1,711	-	-	-	-	1	4	24	112	264	533	773
415-429	All Other Forms	1,691	3	-	2	6	12	24	55	170	351	532	536
	Male	853	1	-	1	5	7	14	36	111	214	266	198
	Female	838	2	-	1	1	5	10	19	59	137	266	338
401,403	Hypertension	71	-	-	-	-	-	-	2	6	21	26	16
	Male	28	-	-	-	-	-	-	1	2	11	13	1
	Female	43	-	-	-	-	-	-	1	4	10	13	15
430-438	Cerebrovascular Disease	1,919	2	1	-	4	6	13	41	120	351	690	691
	Male	781	2	-	-	1	4	4	23	72	179	291	205
	Female	1,138	-	1	-	3	2	9	18	48	172	399	486
430	Subarachnoid Hemorrhage	66	-	-	-	2	1	5	14	15	14	10	5
	Male	23	-	-	-	1	-	1	5	8	5	2	1
	Female	43	-	-	-	1	1	4	9	7	9	8	4
431-432	Intracerebral & Intracranial Hemorrhages	192	-	1	-	-	4	4	11	29	57	56	30
	Male	91	-	-	-	-	3	2	5	14	27	28	12
	Female	101	-	1	-	-	1	2	6	15	30	28	18
434	Cerebral Thrombosis & Embolism	307	1	-	-	2	-	2	3	11	55	124	109
	Male	134	1	-	-	-	-	-	2	8	36	53	34
	Female	173	-	-	-	2	-	2	1	3	19	71	75
436	Acute but Ill-Defined Cerebrovascular Disease	1,093	-	-	-	-	1	-	12	45	200	407	428
	Male	422	-	-	-	-	1	-	10	29	97	162	123
	Female	671	-	-	-	-	-	-	2	16	103	245	305

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1 Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 +
437	Generalized Ischemic Cerebrovascular Disease	202	1	-	-	-	-	1	1	12	19	67	101
	Male	84	1	-	-	-	-	1	1	7	11	34	29
	Female	118	-	-	-	-	-	-	-	5	8	33	72
440	Arteriosclerosis	431	-	-	-	-	-	-	4	17	60	122	228
	Male	195	-	-	-	-	-	-	3	12	37	66	77
	Female	236	-	-	-	-	-	-	1	5	23	56	151
441-448	Other Disease of Arteries, Arterioles & Capillaries	253	-	-	-	-	1	4	5	22	84	85	52
	Male	167	-	-	-	-	1	2	4	15	63	63	19
	Female	86	-	-	-	-	-	2	1	7	21	22	33
451-453	Venous Thrombosis & Embolism	20	-	-	-	-	-	4	2	3	8	-	3
	Male	10	-	-	-	-	-	2	2	1	4	-	1
	Female	10	-	-	-	-	-	2	-	2	4	-	2
Residual of 390-459	Other Diseases of the Circulatory System	26	-	-	-	2	-	1	1	1	11	5	5
	Male	15	-	-	-	1	-	-	1	1	9	2	1
	Female	11	-	-	-	1	-	1	-	-	2	3	4
	VIII. DISEASES OF THE RESPIRATORY SYSTEM												
480-486	Pneumonia & Influenza	725	2	-	-	2	11	4	19	29	77	239	342
	Male	328	2	-	-	2	7	2	6	17	48	123	121
	Female	397	-	-	-	-	4	2	13	12	29	116	221
	Pneumonia	679	2	-	-	2	9	4	17	28	73	226	318
	Male	313	2	-	-	2	5	2	6	16	47	121	112
	Female	366	-	-	-	-	4	2	11	12	26	105	206
487	Influenza	46	-	-	-	-	2	-	2	1	4	13	24
	Male	15	-	-	-	-	2	-	-	1	1	2	9
	Female	31	-	-	-	-	-	-	2	-	3	11	15
490-496	Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Dis.	957	-	1	-	-	2	2	18	154	341	331	108
	Male	580	-	1	-	-	1	2	7	77	207	223	62
	Female	377	-	-	-	-	1	-	11	77	134	108	46
490-491	Chronic & Unspecified Bronchitis	49	-	1	-	-	1	-	-	6	18	13	10
	Male	25	-	1	-	-	1	-	-	3	6	11	3
	Female	24	-	-	-	-	-	-	-	3	12	2	7

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1-Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
492	Emphysema	214	-	-	-	-	-	-	2	42	95	64	11
	Male	137	-	-	-	-	-	-	1	24	57	48	7
	Female	77	-	-	-	-	-	-	1	18	38	16	4
493	Asthma	45	-	-	-	-	1	-	1	12	14	10	7
	Male	15	-	-	-	-	-	-	-	2	6	5	2
	Female	30	-	-	-	-	1	-	1	10	8	5	5
496	Chronic Obstructive Pul. Dis.	637	-	-	-	-	-	2	15	94	210	241	75
	Male	400	-	-	-	-	-	2	6	48	136	159	49
	Female	237	-	-	-	-	-	-	9	46	74	82	26
Residual of 460-519	Other Diseases of the respiratory System	201	1	-	-	1	1	-	3	22	50	71	52
	Male	109	1	-	-	1	-	-	1	12	31	41	22
	Female	92	-	-	-	-	1	-	2	10	19	30	30
	X. DISEASES OF THE DIGESTIVE SYSTEM												
531	Ulcer of Stomach	19	-	-	-	1	-	1	1	2	3	5	6
	Male	5	-	-	-	1	-	1	-	-	1	1	1
	Female	14	-	-	-	-	-	-	1	2	2	4	5
532	Ulcer of Duodenum	21	-	-	-	-	-	-	1	4	4	6	6
	Male	13	-	-	-	-	-	-	1	2	-	6	4
	Female	8	-	-	-	-	-	-	-	2	4	-	2
533	Peptic Ulcer	26	-	-	-	-	-	1	-	8	2	8	7
	Male	13	-	-	-	-	-	-	-	7	-	3	3
	Female	13	-	-	-	-	-	1	-	1	2	5	4
550-553 560	Hernia & Intestinal Obstruction	52	-	-	-	2	2	-	-	2	3	15	28
	Male	20	-	-	-	2	2	-	-	1	2	7	6
	Female	32	-	-	-	-	-	-	-	1	1	8	22
571	Cirrhosis of Liver	318	-	-	-	1	11	21	57	101	89	35	3
	Male	202	-	-	-	1	7	12	38	69	55	18	2
	Female	116	-	-	-	-	4	9	19	32	34	17	1
571.0-.3	Alcoholic Cirrhosis of Liver	262	-	-	-	-	10	16	50	87	74	23	2
	Male	182	-	-	-	-	7	9	37	65	48	14	2
	Female	80	-	-	-	-	3	7	13	22	26	9	-

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1-Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
574-576	Diseases of the Gallbladder	40	-	-	-	-	1	2	1	6	4	11	15
	Male	15	-	-	-	-	1	1	1	3	2	3	4
	Female	25	-	-	-	-	-	1	-	3	2	8	11
577	Diseases of the Pancreas	16	-	-	-	-	-	1	2	1	5	5	2
	Male	8	-	-	-	-	-	-	1	-	2	3	2
	Female	8	-	-	-	-	-	1	1	1	3	2	-
Residual of 520-579	Other Diseases of the Digestive System	277	3	1	-	-	2	1	7	30	67	83	83
	Male	121	2	1	-	-	2	1	4	18	35	33	25
	Female	156	1	-	-	-	-	-	3	12	32	50	58
	X. DISEASES OF THE GENITOURINARY SYSTEM												
580-589	Nephritis & Nephrosis	174	3	-	-	-	4	4	5	12	48	49	49
	Male	94	2	-	-	-	2	2	2	8	26	26	26
	Female	80	1	-	-	-	2	2	3	4	22	23	23
590	Infections of the Kidney	25	-	-	-	-	-	-	-	-	2	13	10
	Male	9	-	-	-	-	-	-	-	-	1	7	1
	Female	16	-	-	-	-	-	-	-	-	1	6	9
600-608	Diseases of Male Genital Organs	6	-	-	-	-	-	-	-	-	1	2	3
614-629	Diseases of Uterus and Other Female Genital Organs	4	-	-	-	-	-	1	-	-	1	1	1
Residual of 580-629	Other Diseases of the Genito-Urinary System	94	-	-	-	-	2	-	-	6	17	31	38
	Male	42	-	-	-	-	1	-	-	2	11	14	14
	Female	52	-	-	-	-	1	-	-	4	6	17	24
	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM												
630-676	Complications of Pregnancy, childbirth, and the Puerperium	5	-	-	-	3	1	1	-	-	-	-	-

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1-Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
	XII. DISEASES OF THE SKIN AND SUB-CUTANEOUS TISSUE												
680-709	Diseases of the Skin and Subcutaneous Tissue	24	-	-	-	-	-	-	1	1	7	11	4
	Male	12	-	-	-	-	-	-	-	-	3	6	3
	Female	12	-	-	-	-	-	-	1	1	4	5	1
	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONECTIVE TISSUE												
710-739	Diseases of the Musculoskeletal System and Connective Tissue	79	-	-	-	-	-	1	4	9	25	23	17
	Male	29	-	-	-	-	-	-	-	4	8	12	5
	Female	50	-	-	-	-	-	1	4	5	17	11	12
	XIV. CONGENITAL ANOMALIES												
745-746	Congential Anomalies of Heart	58	39	3	2	1	-	2	2	-	3	3	3
	Male	34	20	2	1	1	-	2	2	-	3	-	3
	Female	24	19	1	1	-	-	-	-	-	-	3	-
Residual of 740-759	Other Congenital Anomalies	94	57	10	1	4	5	1	-	3	7	4	2
	Male	52	32	5	1	3	3	-	-	2	3	3	-
	Female	42	25	5	-	1	2	1	-	1	4	1	2
	XV. CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY												
760-779	Certain Cause of Mortality in Early infancy	136	132	3	-	-	-	1	-	-	-	-	-
	Male	73	72	1	-	-	-	-	-	-	-	-	-
	Female	63	60	2	-	-	-	1	-	-	-	-	-
	XVI. SYMPTOMS AND ILL-DEFINED CONDITIONS												
797	Senility	5	-	-	-	-	-	-	-	-	-	1	4
	Male	-	-	-	-	-	-	-	-	-	-	-	-
	Female	5	-	-	-	-	-	-	-	-	-	1	4
798.0	Sudden Infant Death Syndrome	109	109	-	-	-	-	-	-	-	-	-	-
	Male	65	65	-	-	-	-	-	-	-	-	-	-
	Female	44	44	-	-	-	-	-	-	-	-	-	-
Residual of 780-799	Other Symptoms and Ill-Defined Conditions	226	3	2	-	4	5	2	15	33	43	51	68
	Male	114	1	1	-	3	4	1	6	24	29	24	21
	Female	112	2	1	-	1	1	1	9	9	14	27	47

TABLE 40. 1984 Continued

9th Rev. ICDA	CAUSE OF DEATH	TOTAL	Under 1-Year	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
	XVII. ACCIDENTS, POISONINGS, AND VIOLENCE												
800-949	Accidents	1,185	6	30	63	280	216	128	69	99	99	112	83
	Male	836	3	18	51	219	173	96	54	69	62	55	36
	Female	349	3	12	12	61	43	32	15	30	37	57	47
810-825	Motor Vehicle Accident	607	2	10	26	206	128	76	33	49	32	34	11
	Male	428	1	8	20	154	101	49	24	28	22	16	5
	Female	179	1	2	6	52	27	27	9	21	10	18	6
830-838	Water Transport Accidents	40	-	-	1	10	13	6	3	4	3	-	-
	Male	37	-	-	1	8	12	6	3	4	3	-	-
	Female	3	-	-	-	2	1	-	-	-	-	-	-
840-845	Air Transport Accidents	39	-	3	1	2	11	7	11	4	-	-	-
	Male	31	-	2	1	1	8	6	9	4	-	-	-
	Female	8	-	1	-	1	3	1	2	-	-	-	-
850-869	Poisoning Accidents	43	-	-	-	7	21	5	1	2	5	1	1
	Male	29	-	-	-	6	13	5	-	2	1	1	1
	Female	14	-	-	-	1	8	-	1	-	4	-	-
880-888	Accidental Falls	159	-	3	-	6	7	5	9	9	21	43	56
	Male	86	-	2	-	6	6	5	8	6	10	18	25
	Female	73	-	1	-	-	1	-	1	3	11	25	31
890-899	Fire & Flame Accidents	32	-	2	3	4	3	2	2	3	8	5	-
	Male	20	-	1	3	2	3	2	1	3	2	3	-
	Female	12	-	1	-	2	-	-	1	-	6	2	-
910	Drowning and Submersion	62	-	9	8	17	9	4	1	5	4	4	1
	Male	48	-	5	5	15	8	2	1	4	4	4	-
	Female	14	-	4	3	2	1	2	-	1	-	-	1
950-959	Suicides	423	-	-	4	58	85	61	59	51	58	36	11
	Male	340	-	-	4	46	71	49	43	38	47	32	10
	Female	83	-	-	-	12	14	12	16	13	11	4	1
960-978	Homicides	135	3	1	6	28	35	22	21	9	8	1	1
	Male	87	3	1	2	18	22	17	14	5	4	-	1
	Female	48	-	-	4	10	13	5	7	4	4	1	-
980-989	Injuries Undetermined Whether Accidentally or Purposely Inflicted	61	2	1	1	8	23	10	5	5	5	1	-
	Male	42	1	1	1	5	17	5	5	3	4	-	-
	Female	19	1	-	-	3	6	5	-	2	1	1	-

TABLE 41. RESIDENT DEATHS DUE TO OR MENTIONING EXTERNAL FACTORS, OREGON, 1984

METHODS	TOTAL	ACCI-DENTS	SUI-CIDES	HOMI-CIDES	UNDE-TER-MINED	LEGAL INTER-VENTION	NATURAL EFFECTS OF ALCOHOL
NUMERIC TOTALS							
TOTAL	2,261	1,185	423	127	61	8	457
Firearms	360	25	258	67	3	7	-
Suffocation/ Hanging	99	38	44	14	3	-	-
Drowning/ Boating[1]	103	93	5	1	4	-	-
Ingestion of Substance	618	43	88	-	30	-	202* 457
Cutting/ Piercing	30	1	9	20	-	-	-
Falls/ Jumping	175	159	13	-	3	-	-
Motor Vehicles	612	611	-	-	1	-	-
Other	264	215	6	25	17	1	-
PERCENTAGE TOTALS							
Firearms	100.0	6.9	71.7	18.6	0.8	1.9	0.0
Suffocation/ Hanging	100.0	38.4	44.4	14.1	3.0	0.0	0.0
Drowning/ Boating	100.0	90.3	4.9	1.0	3.9	0.0	0.0
Ingestion of Substance	100.0	7.0	14.2	0.0	4.9	0.0	73.9
Cutting/ Piercing	100.0	3.3	30.0	66.7	0.0	0.0	0.0
Falls/ Jumping	100.0	90.9	7.4	0.0	1.7	0.0	0.0
Motor Vehicles	100.0	99.8	0.0	0.0	0.2	0.0	0.0
Other	100.0	81.4	2.3	9.5	6.4	0.4	0.0

1 Includes boating accidents resulting in deaths from drowning.

* Additional MENTION of Alcohol & Drugs but not the underlying cause.

TABLE 42. RESIDENT DEATHS FROM SUICIDE, HOMICIDE, EXTERNAL CAUSES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED BY AGE, SEX AND METHOD, OREGON, 1984

METHOD OF DEATH	TOTAL	AGE AND SEX															
		Total		Under 15		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
METHOD OF SUICIDE																			
TOTAL	423	340	83	4	-	46	12	71	14	49	12	43	16	38	13	47	11	42	5
Poisoning:																			
Gas	39	31	8	-	-	3	3	6	1	9	2	5	1	3	1	1	-	4	-
Solid or Liquid	49	29	20	-	-	2	-	6	2	6	4	3	5	5	2	5	4	2	3
Suffocation & Hanging	44	39	5	2	-	9	1	13	1	4	-	2	-	4	2	1	1	4	-
Drowning	5	-	5	-	-	-	-	-	-	-	1	-	3	-	-	-	-	-	1
Firearms	258	221	37	2	-	25	7	39	10	30	5	31	4	25	5	38	5	31	1
Cutting & Piercing	9	7	2	-	-	1	-	4	-	-	-	-	1	1	-	1	1	-	-
Jumping from High Places	13	8	5	-	-	3	1	1	-	-	-	2	2	-	2	1	-	1	-
Other	6	5	1	-	-	3	-	2	-	-	-	-	-	-	1	-	-	-	-
METHOD OF HOMICIDE																			
TOTAL	135	87	48	6	4	18	10	22	13	17	5	14	7	5	4	4	4	1	1
Suffocation & Hanging	14	2	12	-	2	-	2	2	3	-	1	-	1	-	1	-	2	-	-
Drowning	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Firearms	67	49	18	3	1	11	4	13	6	11	1	7	3	3	2	1	1	-	-
Cutting & Piercing	20	12	8	-	-	3	4	4	2	2	-	2	2	-	-	-	-	1	-
Legal Intervention by Firearm	8	8	-	-	-	3	-	-	-	1	-	3	-	1	-	-	-	-	-
Child Battering	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	24	14	10	2	1	1	-	3	2	3	3	1	1	1	1	3	1	-	1
UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED																			
TOTAL	61	42	19	3	1	5	3	17	6	5	5	5	-	3	2	4	1	-	1
Poisoning:																			
Gas	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Solid or Liquid	29	18	11	-	-	2	1	10	5	3	2	2	-	-	1	1	1	-	1
Drowning	4	4	-	-	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-
Firearms	3	3	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	-
Other	24	16	8	3	1	3	2	5	1	-	3	2	-	2	1	1	-	-	-

TABLE 43. RESIDENT ACCIDENTAL DEATHS BY TYPE OR SOURCE OF INJURY, AGE GROUPS AND SEX, OREGON, 1984

TYPE OR SOURCE OF INJURY	TOTAL	AGE																	
		Under 1		1-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL	1,185	3	3	18	12	51	12	219	61	173	43	96	32	54	15	69	30	62	37	91	104
TRANSPORTATION																					
Motor Vehicle	607	1	1	8	2	20	6	154	52	101	27	49	27	24	9	28	21	22	10	21	24
Watercraft	40	-	-	-	-	1	-	8	2	12	1	6	-	3	-	4	-	3	-	-	-
Aircraft	39	-	-	2	1	1	-	1	1	8	3	6	1	9	2	4	-	-	-	-	-
Railway	9	-	-	-	-	-	-	1	-	4	-	2	-	-	-	1	-	-	-	-	1
Other Road Vehicle	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING																					
Gas	12	-	-	-	-	-	-	3	-	5	2	1	-	-	-	1	-	-	-	-	-
Drugs & Medicines	26	-	-	-	-	-	-	2	1	8	5	4	-	-	-	-	-	1	4	1	-
Other Solid or Liquid	5	-	-	-	-	-	-	1	-	-	1	-	-	-	1	1	-	-	-	1	-
SUFFOCATION OR OBSTRUCTION																					
Inhalation or Ingestion: Food	16	-	-	-	-	-	-	2	-	1	-	1	-	-	1	-	-	2	2	3	4
Other Object	8	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1
Mechanical Suffocation	14	-	2	-	1	4	-	1	-	-	1	-	-	-	-	1	1	1	1	-	1
MISCELLANEOUS																					
Falls	159	-	-	2	1	-	-	6	-	6	1	5	-	8	1	6	3	10	11	43	56
Fires	32	-	-	1	1	3	-	2	2	3	-	2	-	1	1	3	-	2	6	3	2
Drowning	62	-	-	5	4	5	3	15	2	8	1	2	2	1	-	4	1	4	-	4	1
Struck by Object	29	-	-	-	-	2	-	4	1	7	-	6	-	1	-	3	-	-	-	2	3
Machinery	24	-	-	-	-	2	1	1	-	5	-	3	-	2	-	4	-	6	-	-	-
Firearms	25	-	-	-	-	8	1	9	-	1	-	1	1	2	-	-	1	-	-	1	-
Electric Current	14	-	-	-	-	1	-	4	-	2	-	3	-	3	-	1	-	-	-	-	-
Other & Unspecified	29	-	-	-	1	2	1	3	-	1	1	5	1	-	-	1	-	5	-	6	2
Complications of Medical and Surgical Procedures	21	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2	3	1	4	5
Late Effects of Accidents	13	-	-	-	-	2	-	1	-	1	-	-	-	-	-	2	-	1	1	1	4

TABLE 44. DEATHS OCCURRING IN OREGON BY TYPE OF ACCIDENT AND BY AGE GROUPS, 1984

TYPE OF ACCIDENT	TOTAL		AGE GROUPS						
	Number	Rate	Under 1	1-4	5-14	15-24	25-44	45-64	65+
TOTAL	1,209	45.5	6	37	71	283	342	172	298
WORK ACCIDENTS	57	2.1	-	-	1	12	27	13	4
Logging	23	0.9	-	-	-	8	12	3	-
Agriculture	14	0.5	-	-	1	3	3	4	3
Mining	1	0.0	-	-	-	1	-	-	-
Construction	5	0.2	-	-	-	-	4	1	-
Manufacturing	4	0.2	-	-	-	-	2	2	-
Transportation	2	0.1	-	-	-	-	1	1	-
Trade	3	0.1	-	-	-	-	3	-	-
Service	1	0.0	-	-	-	-	-	-	1
Government	2	0.1	-	-	-	-	2	-	-
Other & Unspecified	2	0.1	-	-	-	-	-	2	-
HOME ACCIDENTS	207	7.8	3	14	14	17	33	21	105
Poisoning - Other	21	0.8	-	-	-	3	15	-	3
Poisoning - Gas	2	0.1	-	-	-	-	2	-	-
Falls	83	3.1	-	2	-	-	-	7	74
Fires	33	1.2	1	3	3	4	5	5	12
Drowning	8	0.3	-	5	-	1	1	-	1
Suffocation, Ingestion	13	0.5	-	3	-	2	2	3	3
Suffocation, Mechanical	6	0.2	2	-	1	-	1	1	1
Firearms	15	0.6	-	-	7	5	2	1	-
Other & Unspecified	26	1.0	-	1	3	2	5	4	11
MOTOR VEHICLE	613	23.0	1	13	32	206	203	82	76
Injury to Pedestrian	81	3.0	-	9	6	13	14	19	20
Injury to Pedal Cyclist	10	0.4	-	1	7	1	1	-	-
Collision with RR Train	4	0.2	-	-	-	-	4	-	-
Collision with Other Motor Vehicle	228	8.6	1	2	11	63	88	25	38
Collision with Fixed Object	65	2.4	-	-	-	30	25	9	1
Noncollision (Loss of Control)	202	7.6	-	1	6	90	65	25	15
Other and Unspecified	23	0.9	-	-	2	9	6	4	2
PUBLIC ACCIDENT	284	10.7	2	10	22	47	74	51	78
Railway Transportation	11	0.4	-	-	-	1	8	1	1
Other Transportation	1	0.0	-	-	-	-	1	-	-
Water Transportation	42	1.6	-	-	1	10	17	10	4
Air Transportation	37	1.4	-	4	2	2	15	14	-
Falls	58	2.2	-	1	-	3	9	8	37
Fires	2	0.1	-	-	-	1	-	-	1
Drowning	58	2.2	-	4	10	17	12	8	7
Firearms	7	0.3	-	-	1	4	1	1	-
Other and Unspecified	68	2.6	2	1	8	9	11	9	28
UNCLASSIFIED	48	1.8	-	-	2	1	5	5	35

All rates per 100,000 population

TABLE 45. INFANT, NEONATAL AND POST-NEONATAL DEATHS, 1980-1984, BY MATERNAL RISK FACTORS AND INFANT CHARACTERISTICS FOR OREGON RESIDENTS AT BIRTH.1/

RISK FACTORS	INFANT DEATH		NEONATAL DEATH		POST-NEONATAL	
	Number	Rate	Number	Rate	Number	Rate
AGE OF MOTHER						
17 or less	139	17.5	80	10.1	59	7.4
18-34 years	1,926	10.2	1,105	5.9	821	4.4
35+ years	96	9.6	65	6.5	31	3.1
MARITAL STATUS						
Married	1,590	9.1	943	5.4	647	3.7
Not Married	560	17.2	303	9.3	257	7.9
PRENATAL CARE BEGAN						
1st & 2nd Trimester	2,076	10.6	1,212	6.2	864	4.4
None or 3rd Trimester	199	20.1	106	10.7	93	9.4
EDUCATION OF MOTHER						
0-11 years	617	15.6	311	7.9	306	7.7
12 years	770	9.6	437	5.4	333	4.2
13+ years	669	8.1	438	5.3	231	2.8
PLURALITY OF BIRTH						
Single	1,963	9.7	1,065	5.3	898	4.4
Multiple	231	54.5	192	45.3	39	9.2
LIVE BIRTH ORDER						
1-3 births	1,929	10.3	1,120	6.0	809	4.3
4+ births	229	12.5	128	7.0	101	5.5
BIRTHWEIGHT						
<1499 grams	793	454.4	722	413.8	71	40.7
1500-2499 grams	331	38.7	188	22.0	143	16.7
2500-4499 grams	1,007	5.3	323	1.7	684	3.6
4500+ grams	44	8.1	16	2.9	28	5.1
CONGENITAL ANOMALIES						
Yes	377	162.0	298	128.1	79	33.9
No	1,763	8.6	940	4.6	823	4.0
APGAR (5 Minutes)						
0-7	1,021	110.2	881	95.1	140	15.1
8-10	1,001	5.1	262	1.3	739	3.8
SEX						
Male	1,223	11.7	686	6.6	537	5.1
Female	972	9.5	572	5.6	400	3.9
RACE OF CHILD						
White	2,009	10.5	1,153	6.0	856	4.5
Non-White	186	12.6	105	7.1	81	5.5

Rate per 1,000 Live Births

1/ Total number of infant deaths was 2,195 for 5 year period. Groupings may not add to totals due to exclusion of deaths with information not stated for a given category.

TABLE 46. RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH, OREGON, 1984

CAUSE OF DEATH	ALL INFANT DEATHS	UNDER 28 DAYS (NETONATAL PERIOD)				28 DAYS & OVER
		TOTAL	Under 1 Day	1-6 Days	7-27 Days	
TOTAL	388	190	111	39	40	198
RATE	9.8	4.8	2.8	1.0	1.0	5.0
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	132	117	82	19	16	15
Other Complications of Pregnancy & Delivery	13	13	13	-	-	-
Conditions of Placenta and Cord	10	10	9	1	-	-
Immaturity, Unqualified	21	21	21	-	-	-
Birth Trauma without Mention of Cause	3	3	-	1	2	-
Anoxic & Hypoxic Conditions	11	10	6	3	1	1
Respiratory Distress Syndrome	28	22	9	5	8	6
Other Respiratory Conditions	20	15	9	5	1	5
All Other	26	23	15	4	4	3
OTHER DISEASES	245	72	28	20	24	173
Congenital Anomalies	96	61	28	18	15	35
Diseases of Nervous System	8	1	-	-	1	7
Pneumonia, Influenza	2	1	-	-	1	1
Respiratory Distress	1	-	-	-	-	1
Sudden Infant Death Syndrome	109	3	-	-	3	106
All Other Diseases	29	6	-	2	4	23
VIOLENT & ACCIDENTAL CAUSES	11	1	1	-	-	10
Motor Vehicle	2	-	-	-	-	2
Other Accidental Causes	4	1	1	-	-	3
Homicide	3	-	-	-	-	3
Other External Causes	2	-	-	-	-	2

Rate per 1,000 Live Births

TABLE 47. INFANT DEATHS BY COUNTY OF RESIDENCE AND AGE AT TIME OF DEATH, OREGON, 1984.1/

COUNTY OF RESIDENCE	ALL INFANT DEATHS		UNDER 28 DAYS (NEONATAL PERIOD)					28 DAYS & OVER	
			TOTAL		Under 1 Day	1-6 Days	7-27 Days		
	Number	Rate	Number	Rate				Number	Rate
STATE	388	9.8	190	4.8	111	39	40	198	5.0
Baker	2	9.0	1	4.5	-	1	-	1	4.5
Benton	5	5.7	1	1.1	1	-	-	4	4.6
Clackamas	37	11.6	16	5.0	7	3	6	21	6.6
Clatsop	3	6.8	-	-	-	-	-	3	6.8
Columbia	4	7.9	2	4.0	2	-	-	2	4.0
Coos	4	4.4	1	1.1	-	1	-	3	3.3
Crook	4	19.2	1	4.8	-	1	-	3	14.4
Curry	3	16.6	2	11.0	2	-	-	1	5.5
Deschutes	13	12.9	7	7.0	5	-	2	6	6.0
Douglas	14	10.1	8	5.8	6	1	1	6	4.3
Gilliam	-	-	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-	-	-
Harney	1	10.1	-	-	-	-	-	1	10.1
Hood River	1	4.0	-	-	-	-	-	1	4.0
Jackson	14	7.2	6	3.1	6	-	-	8	4.1
Jefferson	2	8.3	1	4.1	1	-	-	1	4.1
Josephine	8	10.0	3	3.7	2	-	1	5	6.2
Klamath	6	6.6	3	3.3	1	2	-	3	3.3
Lake	2	16.3	1	8.1	1	-	-	1	8.1
Lane	29	7.5	16	4.1	7	7	2	13	3.3
Lincoln	5	10.2	2	4.1	-	1	1	3	6.1
Linn	16	11.6	6	4.3	2	2	2	10	7.2
Malheur	12	24.3	3	6.1	2	-	1	9	18.3
Marion	39	11.9	23	7.0	21	-	2	16	4.9
Morrow	-	-	-	-	-	-	-	-	-
Multnomah	99	11.7	55	6.5	30	12	13	44	5.2
Polk	6	9.3	2	3.1	1	-	1	4	6.2
Sherman	1	37.0	1	37.0	1	-	-	-	-
Tillamook	1	3.8	1	3.8	-	-	1	-	-
Umatilla	10	9.3	6	5.6	4	1	1	4	3.7
Union	2	5.2	1	2.6	-	1	-	1	2.6
Wallowa	-	-	-	-	-	-	-	-	-
Wasco	5	14.3	4	11.4	3	1	-	1	2.9
Washington	32	7.7	13	3.1	4	3	6	19	4.5
Wheeler	1	66.7	1	66.7	-	1	-	-	-
Yamhill	7	7.3	3	3.1	2	1	-	4	4.2

All Rates per 1,000 Live Births.

1/ Rounding of neonatal and post-neonatal rates may cause them not to add to total infant rate.

TABLE 48. DEATHS BY COUNTY OF RESIDENCE BY SEX AND RACE, OREGON, 1984

COUNTY OF RESIDENCE	TOTAL	SEX		RACE							
		Male	Female	White*		Black	Indian	Chinese	Japanese	Other Asian & Pacific Islander	Other Non-White
				Total White	Hispanic						
Total	23,101[1/]	12,311	10,790	22,568	107	287	112	40	28	37	22
Baker	163	93	70	163	-	-	-	-	-	-	-
Benton	354	182	172	352	-	-	-	-	-	1	1
Clackamas	1,861	959	902	1,846	5	5	-	1	4	-	5
Clatsop	327	178	149	319	-	1	4	2	-	-	1
Columbia	319	186	133	318	1	-	1	-	-	-	-
Coos	622	351	271	613	1	1	7	-	1	-	-
Crook	135	75	60	134	-	-	-	1	-	-	-
Curry	1802/	101	79	179	-	-	-	-	-	-	-
Deschutes	489	291	198	488	-	1	-	-	-	-	-
Douglas	855	494	361	853	2	-	1	-	-	-	1
Gilliam	18	10	8	18	-	-	-	-	-	-	-
Grant	85	52	33	85	-	-	-	-	-	-	-
Harney	55	33	22	55	1	-	-	-	-	-	-
Hood River	143	80	63	139	1	1	1	-	2	-	-
Jackson	1,172	672	500	1,164	6	2	4	1	-	1	-
Jefferson	87	50	37	71	2	-	16	-	-	-	-
Josephine	664	384	280	662	-	-	2	-	-	-	-
Klamath	483	242	241	465	2	3	14	1	-	-	-
Lake	64	29	35	64	-	-	-	-	-	-	-
Lane	2,069	1,097	972	2,055	3	6	3	1	1	2	1
Lincoln	428	232	196	423	-	1	4	-	-	-	-
Linn	761	419	342	757	2	2	1	1	-	-	-
Malheur	236	139	97	231	17	1	-	1	2	-	1
Marion	1,870[3/]	973	897	1,855	20	6	5	-	1	-	1
Morrow	63	36	27	63	1	-	-	-	-	-	-
Multnomah	5,737[4/]	2,900	2,837	5,391	13	249	25	27	15	22	5
Polk	441	236	205	441	7	-	-	-	-	-	-
Sherman	19	11	8	19	-	-	-	-	-	-	-
Tillamook	239	132	107	239	1	-	-	-	-	-	-
Umatilla	510	291	219	491	3	1	17	-	-	-	1
Union	210	119	91	209	-	1	-	-	-	-	-
Wallowa	66	39	27	66	-	-	-	-	-	-	-
Wasco	256	128	128	254	3	-	2	-	-	-	-
Washington	1,601[2/]	824	777	1,570	13	6	3	4	2	10	5
Wheeler	14	7	7	14	-	-	-	-	-	-	-
Yamhill	505	266	239	502	3	-	2	-	-	1	-

* The number of Hispanic deaths is not complete since certificates request racial rather than ethnic origins. All Hispanic entries are recorded as white in national vital statistics. Total White includes Hispanic. Other non-white includes groups where statewide total is less than 20 (Hawaiian, Filipino, other).

1/ Includes 7 with race not stated.

2/ Includes one with race not stated.

3/ Includes two with race not stated.

4/ Includes three with race not stated.

TABLE 49. DEATHS BY COUNTY OF RESIDENCE BY AGE GROUPS AND SEX, OREGON, 1984.

COUNTY OF RESIDENCE	TOTAL DEATHS	AGE GROUPS AND SEX									
		ALL AGES		UNDER 1		1-4		5-14		15-24	
		Male	Female	M	F	M	F	M	F	M	F
STATE	23,101	12,311	10,790	215	173	44	29	76	32	347	112
Baker	163	93	70	1	1	-	-	-	-	1	-
Benton	354	182	172	1	4	-	1	-	1	2	2
Clackamas	1861	959	902	20	17	1	6	3	3	27	12
Clatsop	327	178	149	2	1	1	-	1	-	6	1
Columbia	319	186	133	4	-	-	-	-	-	6	-
Coos	622	351	271	3	1	2	1	2	1	9	3
Crook	135	75	60	2	2	1	-	-	-	1	-
Curry	180	101	79	2	1	1	-	1	-	5	-
Deschutes	489	291	198	6	7	-	1	4	-	9	3
Douglas	855	494	361	8	6	-	2	5	1	10	4
Gilliam	18	10	8	-	-	-	-	-	-	-	-
Grant	85	52	33	-	-	-	-	1	-	1	-
Harney	55	33	22	-	1	-	-	-	-	3	-
Hood River	143	80	63	1	-	1	-	-	-	3	1
Jackson	1,173	673	500	10	4	2	1	2	1	21	7
Jefferson	87	50	37	-	2	-	-	-	-	4	1
Josephine	663	383	280	5	3	-	-	2	1	5	2
Klamath	483	242	241	1	5	2	4	1	3	6	1
Lake	64	29	35	-	2	-	-	1	-	2	-
Lane	2,069	1,097	972	22	7	8	2	10	6	26	8
Lincoln	428	232	196	4	1	3	1	-	-	5	2
Linn	761	419	342	10	6	2	-	3	-	14	2
Malheur	236	139	97	9	3	1	-	2	-	3	2
Marion	1,870	973	897	20	19	4	3	9	3	35	6
Morrow	63	36	27	-	-	-	-	-	-	2	2
Multnomah	5,737	2,900	2,837	48	51	12	5	18	7	67	23
Polk	441	236	205	4	2	1	1	3	-	6	4
Sherman	19	11	8	1	-	-	-	-	-	1	2
Tillamook	239	132	107	-	1	-	-	-	-	4	2
Umatilla	510	291	219	7	3	1	-	1	-	11	4
Union	210	119	91	1	1	-	-	-	-	2	2
Wallowa	66	39	27	-	-	-	-	-	1	3	1
Wasco	256	128	128	2	3	-	-	1	-	5	1
Washington	1,601	824	777	19	13	1	-	4	4	37	10
Wheeler	14	7	7	-	1	-	-	-	-	-	-
Yamhill	505	266	239	2	5	-	1	2	-	5	4

TABLE 49. DEATHS Continued

AGE GROUPS AND SEX											
25-34		35-44		45-54		55-64		65-74		75+	
M	F	M	F	M	F	M	F	M	F	M	F
394	148	384	226	703	400	1,790	1,164	3,278	2,187	5,080	6,319
1	-	1	-	5	2	15	8	16	17	53	42
5	-	3	2	9	11	29	17	47	29	86	105
34	15	37	26	78	35	139	85	267	173	353	530
3	1	3	-	8	1	17	14	62	35	75	96
3	-	4	3	9	7	35	21	55	35	70	67
7	2	14	7	17	12	51	31	104	55	142	158
1	1	3	2	4	7	13	9	15	11	35	28
5	-	3	-	7	3	16	15	32	19	29	41
7	5	13	7	10	13	44	18	89	41	109	103
13	11	16	7	29	16	82	44	144	73	187	197
1	-	-	1	2	-	-	-	3	1	4	6
2	-	1	-	-	-	6	4	15	6	26	23
-	-	-	-	1	-	2	3	10	7	17	11
6	1	1	1	5	4	10	8	22	12	31	36
23	9	27	10	32	19	85	56	192	99	279	294
4	1	-	2	2	-	6	1	23	9	11	21
12	1	11	6	19	7	56	34	102	61	171	165
10	5	8	5	20	13	50	25	61	60	83	120
1	-	-	-	1	4	5	6	4	6	15	17
40	12	34	18	51	40	175	115	282	201	449	563
7	2	7	2	5	6	44	32	73	46	84	104
18	4	11	8	22	12	43	45	112	69	184	196
2	2	5	4	7	3	20	9	30	16	60	58
28	8	30	26	54	28	123	72	247	173	423	559
3	-	4	1	2	1	4	2	5	5	16	16
105	41	87	53	188	84	437	292	738	542	1,200	1,739
9	3	2	5	10	9	36	20	58	48	107	113
1	-	-	-	-	-	5	-	1	2	2	4
2	-	4	-	5	2	21	9	52	31	44	62
8	4	8	3	22	8	40	32	81	47	112	118
1	3	5	-	6	2	21	8	33	24	50	51
2	-	2	-	2	-	2	4	10	6	18	15
4	1	-	1	7	6	18	12	28	31	63	73
19	12	34	22	58	40	103	79	189	151	360	446
-	-	1	-	-	-	1	-	3	2	2	4
7	4	5	4	6	5	36	34	73	44	130	138

TABLE 50. LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE OF DECEASED, OREGON 1984

COUNTY OF RESIDENCE	TOTAL DEATHS	DISEASE OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	ACCIDENTS	BRONCHITIS, EMPHYSEMA, ASTHMA & CHRONIC OBSTRUCTIVE PULMONARY DISEASE	INFLUENZA & PNEUMONIA	ARTERIOSCLEROSIS
STATE	23,101	8,010	5,387	1,919	1,185	957	725	431
Rate	868.5	301.1	202.5	72.1	44.6	36.0	27.3	16.2
Baker	163	68	42	10	3	8	6	3
Benton	354	112	82	34	9	20	12	7
Clackamas	1,861	632	466	162	95	62	69	36
Clatsop	327	115	74	31	22	15	10	8
Columbia	319	124	72	13	20	15	15	4
Coos	622	201	146	49	40	25	18	6
Crook	135	38	27	7	7	6	9	11
Curry	180	69	39	10	16	6	3	1
Deschutes	489	148	110	46	33	25	13	12
Douglas	855	305	189	72	49	54	28	6
Gilliam	18	8	3	2	1	1	-	1
Grant	85	47	15	3	5	4	1	-
Harney	55	15	13	7	4	1	1	-
Hood River	143	44	26	10	13	11	5	9
Jackson	1,172	400	276	107	78	44	27	13
Jefferson	87	25	12	21	8	2	2	1
Josephine	664	230	164	63	31	36	15	19
Klamath	483	163	119	37	31	16	16	7
Lake	64	25	12	1	8	4	1	-
Lane	2,069	692	493	181	98	83	72	52
Lincoln	428	130	126	46	24	16	8	10
Linn	761	299	169	49	36	32	27	14
Malheur	236	76	57	15	15	9	4	1
Marion	1,870	657	435	180	94	66	59	32
Morrow	63	15	14	8	4	3	2	-
Multnomah	5,737	2,055	1,237	445	231	247	180	111
Polk	441	165	101	40	22	21	11	10
Sherman	19	4	2	3	4	2	-	-
Tillamook	239	83	63	19	14	5	5	3
Umatilla	510	168	126	34	27	19	22	8
Union	210	63	52	13	15	12	9	3
Wallowa	66	28	11	2	6	2	3	-
Wasco	256	95	58	19	10	13	11	5
Washington	1,601	538	415	124	90	55	53	31
Wheeler	14	6	2	3	1	1	-	-
Yamhill	505	167	139	53	21	16	8	7

All rates per 100,000 population

TABLE 50. LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE OF DECEASED, OREGON 1984, continued

SUICIDE	ALCOHOLISM, ALCOHOLIC CIRRHOSIS & ALCOHOLIC PSYCHOSIS	DIABETES MELLITUS	OTHER DISEASES OF ARTERIES	NEPHRITIS & NEPHROSIS	CONGENITAL ANOMALIES	CERTAIN CAUSES IN EARLY INFANCY	HOMICIDE	SUDDEN INFANT DEATH SYNDROME	HYPERTENSION with or without RENAL DISEASE	PEPTIC ULCER	ALL OTHER CAUSES
423	343	343	253	174	152	136	135	109	71	66	2,282
15.9	12.9	12.9	9.5	6.5	5.7	5.1	5.1	4.1	2.7	2.5	85.8
4	1	3	1	3	1	-	-	-	1	-	9
9	4	11	4	2	1	1	1	4	1	-	40
32	16	29	24	16	16	13	9	7	7	1	169
2	4	2	2	2	1	-	1	2	2	2	32
3	6	4	-	1	1	2	-	-	1	2	36
10	6	12	9	8	3	1	2	1	3	-	82
2	3	1	1	3	3	-	1	1	1	-	14
3	1	4	2	4	1	2	3	1	-	-	15
9	9	5	7	2	4	4	6	4	2	2	48
14	10	16	12	3	4	4	2	5	2	5	75
-	-	-	-	1	-	-	-	-	-	-	1
-	-	1	-	1	-	-	-	-	-	1	7
3	1	1	1	2	-	-	-	-	-	-	6
2	2	3	2	-	1	-	1	1	-	2	11
22	19	10	17	12	10	4	7	6	4	2	114
1	-	3	1	1	-	1	2	1	-	-	6
10	11	11	4	3	3	3	6	4	3	1	47
10	13	9	4	1	1	2	2	3	2	1	46
1	2	-	1	-	-	1	-	1	-	-	7
46	20	42	21	10	18	5	12	8	8	5	203
5	6	9	3	1	2	-	1	2	2	1	36
22	5	11	5	6	3	5	5	6	2	-	65
2	4	6	2	4	5	3	2	3	-	2	26
38	24	19	13	16	12	21	8	10	8	2	176
2	2	1	3	1	-	-	-	-	-	1	7
103	137	66	71	38	37	41	42	23	12	27	634
8	2	10	3	4	2	2	2	2	1	1	34
1	-	1	-	-	-	1	-	-	-	-	1
4	1	4	2	4	-	1	1	-	1	1	28
12	10	10	9	5	3	4	2	4	-	3	44
2	1	3	1	1	2	-	-	1	2	-	30
1	2	2	-	1	-	-	1	-	-	-	7
4	1	4	4	1	1	4	1	-	1	-	24
28	17	24	17	14	13	7	12	7	2	4	150
-	-	-	-	-	1	-	-	-	-	-	-
8	3	6	7	3	3	4	3	2	3	-	52

TABLE 51. ACCIDENTAL DEATHS BY PRINCIPAL CLASSES AND COUNTY OF ACCIDENT, OREGON, 1984.

COUNTY OF ACCIDENT	TOTAL		MOTOR VEHICLE	HOME	OCCUPATIONAL	PUBLIC	UNCLASSIFIED
	Number	Rate 1/					
STATE	1,181	44.4	603	198	56	281	43
Baker	7	43.8	3	1	-	3	-
Benton	10	14.6	8	1	-	1	-
Clackamas	85	34.5	59	6	4	16	-
Clatsop	23	69.9	15	3	-	5	-
Columbia	17	47.0	10	3	1	2	1
Coos	36	59.0	16	6	5	8	1
Crook	9	69.2	3	2	-	4	-
Curry	19	111.1	7	3	1	7	1
Deschutes	33	51.6	21	2	1	9	-
Douglas	55	60.2	26	10	6	13	-
Gilliam	3	153.9	1	-	-	1	1
Grant	9	111.8	4	-	-	5	-
Harney	7	96.6	3	2	-	2	-
Hood River	21	128.1	6	3	1	11	-
Jackson	67	49.6	37	17	3	9	1
Jefferson	6	49.2	3	-	2	1	-
Josephine	30	49.8	19	8	1	2	-
Klamath	32	55.0	22	5	-	5	-
Lake	5	65.8	3	1	-	-	1
Lane	88	32.8	50	11	10	17	-
Lincoln	29	77.8	14	3	-	12	-
Linn	42	46.7	26	5	4	7	-
Malheur	16	57.6	8	2	1	4	1
Marion	81	38.6	41	19	-	21	-
Morrow	5	66.7	4	-	1	-	-
Multnomah	195	34.7	68	22	3	33	1
Polk	16	35.6	7	3	1	5	-
Sherman	4	181.8	4	-	-	-	-
Tillamook	20	90.9	12	1	1	6	-
Umatilla	29	47.9	18	2	3	6	-
Union	14	56.5	5	2	2	5	-
Wallowa	6	79.5	4	-	-	2	-
Wasco	28	124.4	14	2	-	12	-
Washington	60	23.1	33	13	4	10	-
Wheeler	2	142.9	-	2	-	-	-
Yamhill	18	31.6	9	5	1	2	1
Not Stated	54	2.0	1	4	-	19	30

1/ Rate per 100,000 population

TABLE 52. ALL DEATHS AND MEDICAL EXAMINER'S CASES BY COUNTY OF OCCURRENCE AND AUTOPSY, OREGON 1984

COUNTY OF OCCURRENCE	ALL DEATHS			MEDICAL EXAMINER CASES		
	Number	Cases Autopsied		Number	Cases Autopsied	
		Number	Percent		Number	Percent
TOTAL	23,210	2,422	10.4	3,816	973	25.5
Baker	163	8	4.9	35	7	20.0
Benton	405	56	13.8	56	27	48.2
Clackamas	1,854	146	7.9	257	70	27.2
Clatsop	275	15	5.5	54	10	18.5
Columbia	161	10	6.2	25	6	24.0
Coos	585	53	9.1	108	37	34.3
Crook	108	7	6.5	35	5	14.3
Curry	117	12	10.3	41	10	24.4
Deschutes	533	51	9.6	112	32	28.6
Douglas	896	118	13.2	200	71	35.5
Gilliam	11	-	-	7	-	-
Grant	80	2	2.5	22	1	4.5
Harney	52	3	5.8	8	2	25.0
Hood River	139	6	4.3	35	5	14.3
Jackson	1,196	75	6.3	242	38	15.7
Jefferson	73	6	8.2	14	5	35.7
Josephine	662	49	7.4	96	31	32.3
Klamath	510	44	8.6	102	33	32.4
Lake	59	9	15.3	10	6	60.0
Lane	2,079	194	9.3	252	76	30.2
Lincoln	355	30	8.5	75	16	21.3
Linn	642	48	7.5	131	30	22.9
Malheur	283	28	9.9	61	12	19.7
Marion	1,890	154	8.1	224	61	27.2
Morrow	36	1	2.8	11	-	-
Multnomah	6,555	986	15.0	1,093	266	24.3
Polk	263	9	3.4	32	5	15.6
Sherman	10	1	10.0	5	1	20.0
Tillamook	214	11	5.1	38	9	23.7
Umatilla	407	27	6.6	77	13	16.9
Union	198	7	3.5	32	4	12.5
Wallowa	50	4	8.0	12	2	16.7
Wasco	271	16	5.9	40	11	27.5
Washington	1,640	198	12.1	209	55	26.3
Wheeler	7	-	-	6	-	-
Yamhill	431	38	8.8	59	16	27.1

TABLE 53. DEATHS OCCURRING IN OREGON BY COUNTY OF RESIDENCE AND DISPOSAL OF REMAINS, 1984

COUNTY OF RESIDENCE	TOTAL	BURIAL	CREMATION	MAUSOLEUM	REMOVAL	OTHER
Total	23,210	12,938	6,815	1,609	1,768	80
%	100.0	55.7	29.4	6.9	7.6	0.3
Baker	152	122	6	1	23	-
Benton	346	199	103	21	21	2
Clackamas	1,814	1,015	495	199	96	9
Clatsop	309	176	113	8	11	1
Columbia	250	169	58	10	12	1
Coos	610	360	210	16	20	4
Crook	133	94	35	3	1	-
Curry	145	60	71	1	13	-
Deschutes	474	247	176	23	28	-
Douglas	838	512	279	16	31	-
Gilliam	18	17	-	-	1	-
Grant	79	62	15	-	2	-
Harney	54	43	8	-	3	-
Hood River	136	94	30	3	9	-
Jackson	1,146	556	464	47	78	1
Jefferson	82	61	19	-	2	-
Josephine	648	313	258	19	56	2
Klamath	469	255	180	5	29	-
Lake	64	51	12	-	1	-
Lane	2,016	1,134	714	84	82	2
Lincoln	413	188	180	21	22	2
Linn	743	517	163	28	32	3
Malheur	191	129	6	-	56	-
Marion	1,841	1,116	498	113	106	8
Morrow	53	42	2	-	9	-
Multnomah	5,589	2,959	1,610	736	254	30
Polk	431	282	119	16	14	-
Sherman	17	11	6	-	-	-
Tillamook	233	124	76	18	15	-
Umatilla	392	275	11	12	93	1
Union	196	162	7	4	22	1
Wallowa	59	49	6	-	4	-
Wasco	248	167	48	17	13	3
Washington	1,554	861	470	143	74	6
Wheeler	14	8	6	-	-	-
Yamhill	492	307	133	40	11	1
Out-of-State	961	201	228	5	524	3

TABLE 54. DEATHS BY SELECTED CAUSES WITH RATES FOR OREGON AND SELECTED CITIES, OREGON, 1984

SELECTED CAUSES OF DEATH	STATE AND CITIES							
	OREGON		PORTLAND		SALEM		EUGENE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	23,101	868.5	4,284	1153.2	1,022	1102.7	802	775.6
Tuberculosis, All Forms (010-018)	23	.9	7	1.9	1	1.1	0	0.0
Septicemia (038)	72	2.7	23	6.2	3	3.2	3	2.9
Viral Hepatitis (070)	17	.6	3	.8	1	1.1	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	60	2.3	14	3.8	3	3.2	1	1.0
Malignant Neoplasms (140-280)	5,387	202.5	931	250.6	236	254.6	177	171.2
Of Buccal Cavity & Pharynx (140-149)	92	3.5	19	5.1	4	4.3	3	2.9
Of Digestive Organs & Peritoneum (150-159)	1,280	48.1	244	65.7	57	61.5	42	40.6
Of Resp. & Intrathoracic Organs (160-165)	1,637	61.5	300	80.8	67	72.3	49	47.4
Of Breast (174-175)	458	17.2	65	17.5	25	27.0	20	19.3
Of Genital Organs (179-187)	616	23.2	95	25.6	22	23.7	14	13.5
Of Urinary Organs (188-189)	219	8.2	32	8.6	12	12.9	5	4.8
Leukemia (204-208)	208	7.8	32	8.6	6	6.5	8	7.7
Benign Neoplasms (210-229)	22	.8	2	.5	4	4.3	1	1.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	45	1.7	7	1.9	0	0.0	1	1.0
Diabetes Mellitus (250)	343	12.9	43	11.6	6	6.5	21	20.3
Anemias (280-285)	20	.8	6	1.6	1	1.1	2	1.9
Alcoholic Psychoses, Alcoholism (291, 303)	69	2.6	28	7.5	4	4.3	0	0.0
Drug Dependence (304)	1	0.0	0	0.0	1	1.1	0	0.0
Meningitis (302-322)	8	.3	1	.3	0	0.0	0	0.0
Parkinson's Disease (332)	99	3.7	17	4.6	5	5.4	4	3.9
Epilepsy (345)	17	.6	4	1.1	1	1.1	1	1.0
Major Cardiovascular Diseases (390-448)	10,696	402.1	2,015	542.4	478	515.8	384	371.4
Diseases of the Heart (390-398, 402, 404-429)	8,022	301.6	1,526	410.8	339	365.8	275	266.0
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	98	3.7	17	4.6	6	6.5	4	3.9
Hypertensive Heart Disease with/without Renal Disease (402, 404)	224	8.4	64	17.2	6	6.5	4	3.9
Ischemic Heart Disease (410-414)	6,009	225.9	1,142	307.4	259	279.5	220	212.8
Myocardial Infarction (410)	2,228	83.8	393	105.8	109	117.6	66	63.8
Other Acute & Subacute Ischemic Heart Disease (411)	16	.6	2	.5	1	1.1	1	1.0
Chronic Ischemic Heart Disease (412-414)	3,765	141.5	747	201.1	149	160.8	153	148.0
All Other Forms (415-429)	1,691	63.6	303	81.6	68	73.4	47	45.5
Hypertension (401, 403)	71	2.7	9	2.4	3	3.2	1	1.0
Cerebrovascular Disease (430-438)	1,919	72.1	342	92.1	105	113.3	80	77.4
Subarachnoid Hemorrhage (430)	66	2.5	13	3.5	1	1.1	4	3.9
Intracerebral & Intracranial Hemorrhages (431-432)	192	7.2	51	13.7	8	8.6	11	10.6
Cerebral Thrombosis & Embolism (434)	307	11.5	61	16.4	18	19.4	16	15.5
Acute but Ill-Defined Cerebrovascular Disease (436)	1,093	41.1	172	46.3	65	70.1	41	39.7
General Ischemic Cerebrovascular Disease (437)	202	7.6	34	9.2	10	10.8	7	6.8
Arteriosclerosis (440)	431	16.2	87	23.4	19	20.5	19	18.4
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	253	9.5	51	13.7	12	12.9	9	8.7
Venous Thrombosis & Embolism (451-453)	20	.8	1	.3	0	0.0	0	0.0
Pneumonia (480-486)	679	25.5	121	32.6	22	23.7	30	29.0
Influenza (487)	46	1.7	7	1.9	2	2.2	1	1.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	957	36.0	184	49.5	42	45.3	32	30.9
Peptic Ulcer (531-533)	66	2.5	21	5.7	0	0.0	4	3.9
Hernia & Intestinal Obst. (550-553.9, 560)	52	2.0	6	1.6	3	3.2	2	1.9
Cirrhosis of the Liver (571)	318	12.0	88	23.7	12	12.9	9	8.7
Alcoholic Cirrhosis (571.0-.3)	262	9.8	75	20.2	11	11.9	7	6.8
Diseases of the Gallbladder (574-576)	40	1.5	70	1.9	2	2.2	1	1.0
Diseases of the Pancreas (577)	16	.6	6	1.6	1	1.1	0	0.0
Nephritis & Nephrosis (580-589)	174	6.5	32	8.6	8	8.6	5	4.8
Infections of the Kidney (590)	25	.9	4	1.1	2	2.2	0	0.0
Diseases of the Male Genital Organs (600-608)	6	.2	0	0.0	1	1.1	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	4	.2	1	.3	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	5	.2	2	.5	0	0.0	0	0.0
Congenital Anomalies (740-759)	152	5.7	26	7.0	8	8.6	7	6.8
Certain Causes of Mortality in Early Infancy (760-779)	136	5.1	36	9.7	13	14.0	3	2.9
Senility (797)	5	.2	1	.3	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	109	4.1	12	3.2	7	7.6	1	1.0
All Other Natural Causes	1,608	60.5	348	93.7	82	88.5	67	64.8
Accidents (800-949)	1,185	44.5	150	40.4	44	47.5	26	25.1
Motor Vehicle (810-825)	607	22.8	60	16.2	22	23.7	10	9.7
Suicide (950-959)	423	15.9	76	20.5	19	20.5	12	11.6
Homicide (960-978)	135	5.1	28	7.5	7	7.6	4	3.9
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	61	2.3	26	7.0	3	3.2	3	2.9

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	BAKER		BENTON		CLACKAMAS		CLATSOP	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	163	1018.7	354	516.8	1861	755.6	327	993.9
Tuberculosis, All Forms (010-018)	0	0.0	0	0.0	1	.4	0	0.0
Septicemia (038)	0	0.0	1	1.5	4	1.6	1	3.0
Viral Hepatitis (070)	0	0.0	0	0.0	2	.8	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	0	0.0	1	1.5	5	2.0	0	0.0
Malignant Neoplasms (140-280)	42	262.5	82	119.7	466	189.2	74	224.9
Of Buccal Cavity & Pharynx (140-149)	0	0.0	1	1.5	9	3.7	4	12.2
Of Digestive Organs & Peritoneum (150-159)	8	50.0	20	29.2	114	46.3	18	54.7
Of Resp. & Intrathoracic Organs (160-165)	20	125.0	19	27.7	122	49.5	21	63.8
Of Breast (174-175)	2	12.5	9	13.1	42	17.1	2	6.1
Of Genital Organs (179-187)	1	6.2	13	19.0	53	21.5	11	33.4
Of Urinary Organs (188-189)	1	6.2	5	7.3	23	9.3	3	9.1
Leukemia (204-208)	1	6.2	0	0.0	25	10.2	1	3.0
Benign Neoplasms (210-229)	0	0.0	1	1.5	3	1.2	1	3.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	0	0.0	0	0.0	5	2.0	0	0.0
Diabetes Mellitus (250)	3	18.7	11	16.1	29	11.8	2	6.1
Anemias (280-285)	0	0.0	0	0.0	2	.8	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	0	0.0	2	2.9	2	.8	0	0.0
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	0	0.0	0	0.0	1	.4	0	0.0
Parkinson's Disease (332)	0	0.0	7	10.2	4	1.6	0	0.0
Epilepsy (345)	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases (390-448)	83	518.7	158	230.7	862	350.0	158	480.2
Diseases of the Heart (390-398, 402, 404-429)	68	425.0	112	163.5	633	257.0	115	349.5
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	1	6.2	2	2.9	4	1.6	1	3.0
Hypertensive Heart Disease with/without Renal Disease (402, 404)	2	12.5	4	5.8	26	10.6	2	6.1
Ischemic Heart Disease (410-414)	49	306.2	85	124.1	469	190.4	90	273.6
Myocardial Infarction (410)	11	68.7	24	35.0	149	60.5	32	97.3
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	0	0.0	1	.4	0	0.0
Chronic Ischemic Heart Disease (412-414)	38	237.5	61	89.1	319	129.5	58	176.3
All Other Forms (415-429)	16	100.0	21	30.7	134	54.4	22	66.9
Hypertension (401, 403)	1	6.2	1	1.5	7	2.8	2	6.1
Cerebrovascular Disease (430-438)	10	62.5	34	49.6	162	65.8	31	94.2
Subarachnoid Hemorrhage (430)	0	0.0	1	1.5	11	4.5	0	0.0
Intracerebral & Intracranial Hemorrhage (431-432)	0	0.0	5	7.3	10	4.1	4	12.2
Cerebral Thrombosis & Embolism (434)	2	12.5	6	8.8	18	7.3	5	15.2
Acute but Ill-Defined Cerebrovascular Disease (436)	7	43.7	14	20.4	85	34.5	18	54.7
General Ischemic Cerebrovascular Disease (437)	1	6.2	8	11.7	33	13.4	4	12.2
Arteriosclerosis (440)	3	18.7	7	10.2	36	14.6	8	24.3
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	1	6.2	4	5.8	24	9.7	2	6.1
Venous Thrombosis & Embolism (451-453)	0	0.0	0	0.0	5	2.0	1	3.0
Pneumonia (480-486)	6	37.5	12	17.5	64	26.0	10	30.4
Influenza (487)	0	0.0	0	0.0	5	2.0	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	8	50.0	20	29.2	62	25.2	15	45.6
Peptic Ulcer (531-533)	0	0.0	0	0.0	1	.4	2	6.1
Hernia & Intestinal Obst. (550-553.9, 560)	1	6.2	1	1.5	4	1.6	0	0.0
Cirrhosis of the Liver (571)	2	12.5	3	4.4	18	7.3	4	12.2
Alcoholic Cirrhosis (571.0-.3)	1	6.2	2	2.9	13	5.3	4	12.2
Diseases of the Gallbladder (574-576)	0	0.0	0	0.0	2	.8	1	3.0
Diseases of the Pancreas (577)	0	0.0	1	1.5	1	.4	1	3.0
Nephritis & Nephrosis (580-589)	3	18.7	2	2.9	16	6.5	2	6.1
Infections of the Kidney (590)	0	0.0	1	1.5	2	.8	0	0.0
Diseases of the Male Genital Organs (600-608)	0	0.0	1	1.5	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	1	1.5	1	.4	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	1	6.2	1	1.5	16	6.5	1	3.0
Certain Causes of Mortality in Early Infancy (760-779)	0	0.0	1	1.5	13	5.3	0	0.0
Senility (797)	0	0.0	0	0.0	1	.4	0	0.0
Sudden Infant Death Syndrome (798.0)	0	0.0	4	5.8	7	2.8	2	6.1
All Other Natural Causes	7	43.7	24	35.0	116	47.1	27	82.1
Accidents (800-949)	3	18.7	9	13.1	95	38.6	22	66.9
Motor Vehicle (810-825)	1	6.2	5	7.3	61	24.8	10	30.4
Suicide (950-959)	4	25.0	9	13.1	32	13.0	2	6.1
Homicide (960-978)	0	0.0	1	1.5	9	3.7	1	3.0
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	0	0.0	5	2.0	0	0.0

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	COLUMBIA		COOS		CROOK		CURRY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	319	881.2	622	1019.7	135	1038.5	180	1052.6
Tuberculosis, All Forms (010-018)	0	0.0	1	1.6	0	0.0	0	0.0
Septicemia (038)	3	8.3	3	4.9	0	0.0	2	11.7
Viral Hepatitis (070)	0	0.0	0	0.0	0	0.0	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	2	5.5	3	4.9	0	0.0	0	0.0
Malignant Neoplasms (140-280)	72	198.9	146	239.3	27	207.7	39	228.1
Of Buccal Cavity & Pharynx (140-149)	1	2.8	2	3.3	1	7.7	0	0.0
Of Digestive Organs & Peritoneum (150-159)	19	52.5	31	50.8	3	23.1	10	58.5
Of Resp. & Intrathoracic Organs (160-165)	26	71.8	49	80.3	12	92.3	16	93.6
Of Breast (174-175)	8	22.1	18	29.5	5	38.5	2	11.7
Of Genital Organs (179-187)	3	8.3	13	21.3	2	15.4	3	17.5
Of Urinary Organs (188-189)	4	11.0	3	4.9	1	7.7	1	5.8
Leukemia (204-208)	3	8.3	6	9.8	1	7.7	1	5.8
Benign Neoplasms (210-229)	0	0.0	0	0.0	0	0.0	0	0.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	1	2.8	1	1.6	0	0.0	0	0.0
Diabetes Mellitus (250)	4	11.0	12	19.7	1	7.7	4	23.4
Anemias (280-285)	0	0.0	2	3.3	0	0.0	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	1	2.8	0	0.0	0	0.0	1	5.8
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	0	0.0	0	0.0	0	0.0	0	0.0
Parkinson's Disease (332)	2	5.5	3	4.9	1	7.7	1	5.8
Epilepsy (345)	1	2.8	1	1.6	0	0.0	0	0.0
Major Cardiovascular Diseases (390-448)	142	392.3	268	439.3	58	446.2	82	479.5
Diseases of the Heart (390-398, 402, 404-429)	124	342.5	201	329.5	38	292.3	69	403.5
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	0	0.0	2	3.3	1	7.7	2	11.7
Hypertensive Heart Disease with/without Renal Disease (402, 404)	3	8.3	4	6.6	1	7.7	0	0.0
Ischemic Heart Disease (410-414)	87	240.3	154	252.5	32	246.2	39	228.1
Myocardial Infarction (410)	37	102.2	56	91.8	10	76.9	26	152.0
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	0	0.0	1	7.7	1	5.8
Chronic Ischemic Heart Disease (412-414)	50	138.1	98	160.7	21	161.5	12	70.2
All Other Forms (415-429)	34	93.9	41	67.2	4	30.8	28	163.7
Hypertension (401, 403)	1	2.8	3	4.9	1	7.7	0	0.0
Cerebrovascular Disease (430-438)	13	35.9	49	80.3	7	53.8	10	58.5
Subarachnoid Hemorrhage (430)	0	0.0	1	1.6	1	7.7	0	0.0
Intracerebral & Intracranial Hemorrhages (431-432)	1	2.8	3	4.9	1	7.7	0	0.0
Cerebral Thrombosis & Embolism (434)	2	5.5	7	11.5	0	0.0	1	5.8
Acute but Ill-Defined Cerebrovascular Disease (436)	10	27.6	35	57.4	5	38.5	9	52.6
General Ischemic Cerebrovascular Disease (437)	0	0.0	2	3.3	0	0.0	0	0.0
Arteriosclerosis (440)	4	11.0	6	9.8	11	84.6	1	5.8
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	0	0.0	9	14.8	1	7.7	2	11.7
Venous Thrombosis & Embolism (451-453)	0	0.0	2	3.3	0	0.0	0	0.0
Pneumonia (480-486)	7	19.3	18	29.5	9	69.2	3	17.5
Influenza (487)	8	22.1	0	0.0	0	0.0	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	15	41.4	25	41.0	6	46.2	6	35.1
Peptic Ulcer (531-533)	2	5.5	0	0.0	0	0.0	0	0.0
Hernia & Intestinal Obst. (550-553.9, 560)	1	2.8	2	3.3	0	0.0	1	5.8
Cirrhosis of the Liver (571)	7	19.3	7	11.5	5	38.5	1	5.8
Alcoholic Cirrhosis (571.0-.3)	5	13.8	6	9.8	3	23.1	0	0.0
Diseases of the Gallbladder (574-576)	0	0.0	3	4.9	0	0.0	0	0.0
Diseases of the Pancreas (577)	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis & Nephrosis (580-589)	1	2.8	8	13.1	3	23.1	4	23.4
Infections of the Kidney (590)	0	0.0	0	0.0	0	0.0	0	0.0
Diseases of the Male Genital Organs (600-608)	0	0.0	0	0.0	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	1	2.8	3	4.9	3	23.1	1	5.8
Certain Causes of Mortality in Early Infancy (760-779)	2	5.5	1	1.6	0	0.0	2	11.7
Senility (797)	0	0.0	2	3.3	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	0	0.0	1	1.6	1	7.7	1	5.8
All Other Natural Causes	24	66.3	58	95.1	11	84.6	10	58.5
Accidents (800-949)	20	55.2	40	65.6	7	53.8	16	93.6
Motor Vehicle (810-825)	13	35.9	19	31.1	4	30.8	6	35.1
Suicide (950-959)	3	8.3	10	16.4	2	15.4	3	17.5
Homicide (960-978)	0	0.0	2	3.3	1	7.7	3	17.5
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	0	0.0	0	0.0	0	0.0

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	DESCHUTES		DOUGLAS		GILLIAM		GRANT	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	489	764.1	855	935.4	18	923.1	85	1055.9
Tuberculosis, All Forms (010-018)	0	0.0	1	1.1	0	0.0	0	0.0
Septicemia (038)	0	0.0	5	5.5	0	0.0	0	0.0
Viral Hepatitis (070)	0	0.0	0	0.0	0	0.0	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	0	0.0	4	4.4	0	0.0	0	0.0
Malignant Neoplasms (140-280)	110	171.9	189	206.8	3	153.8	15	186.3
Of Buccal Cavity & Pharynx (140-149)	2	3.1	3	3.3	0	0.0	1	12.4
Of Digestive Organs & Peritoneum (150-159)	25	39.1	44	48.1	1	51.3	3	37.3
Of Resp. & Intrathoracic Organs (160-165)	30	46.9	63	68.9	2	102.6	1	12.4
Of Breast (174-175)	6	9.4	11	12.0	0	0.0	0	0.0
Of Genital Organs (179-187)	19	29.7	22	24.1	0	0.0	1	12.4
Of Urinary Organs (188-189)	5	7.8	11	12.0	0	0.0	1	12.4
Leukemia (204-208)	5	7.8	4	4.4	0	0.0	1	12.4
Benign Neoplasms (210-229)	0	0.0	1	1.1	0	0.0	0	0.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	0	0.0	3	3.3	0	0.0	0	0.0
Diabetes Mellitus (250)	5	7.8	16	17.5	0	0.0	1	12.4
Anemias (280-285)	0	0.0	1	1.1	0	0.0	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	5	7.8	2	2.2	0	0.0	0	0.0
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	0	0.0	1	1.1	0	0.0	0	0.0
Parkinson's Disease (332)	2	3.1	1	1.1	0	0.0	0	0.0
Epilepsy (345)	0	0.0	2	2.2	0	0.0	0	0.0
Major Cardiovascular Diseases (390-448)	215	335.9	397	434.4	11	564.1	50	621.1
Diseases of the Heart (390-398, 402, 404-429)	148	231.2	305	333.7	8	410.3	47	583.9
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	1	1.6	6	6.6	0	0.0	0	0.0
Hypertensive Heart Disease with/without Renal Disease (402, 404)	2	3.1	7	7.7	0	0.0	0	0.0
Ischemic Heart Disease (410-414)	105	164.1	166	181.6	8	410.3	43	534.2
Myocardial Infarction (410)	45	70.3	74	81.0	4	205.1	14	173.9
Other Acute & Subacute Ischemic Heart Disease (411)	1	1.6	0	0.0	0	0.0	0	0.0
Chronic Ischemic Heart Disease (412-414)	59	92.2	92	100.7	4	205.1	29	360.2
All Other Forms (415-429)	40	62.5	126	137.9	0	0.0	4	49.7
Hypertension (401, 403)	2	3.1	2	2.2	0	0.0	0	0.0
Cerebrovascular Disease (430-438)	46	71.9	72	78.8	2	102.6	3	37.3
Subarachnoid Hemorrhage (430)	0	0.0	0	0.0	0	0.0	0	0.0
Intracerebral & Intracranial Hemorrhages (431-432)	3	4.7	4	4.4	0	0.0	0	0.0
Cerebral Thrombosis & Embolism (434)	11	17.2	5	5.5	0	0.0	0	0.0
Acute but Ill-Defined Cerebrovascular Disease (436)	23	35.9	58	63.5	2	102.6	3	37.3
General Ischemic Cerebrovascular Disease (437)	6	9.4	4	4.4	0	0.0	0	0.0
Arteriosclerosis (440)	12	18.7	6	6.6	1	51.3	0	0.0
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	7	10.9	12	13.1	0	0.0	0	0.0
Venous Thrombosis & Embolism (451-453)	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia (480-486)	13	20.3	27	29.5	0	0.0	1	12.4
Influenza (487)	0	0.0	1	1.1	0	0.0	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	25	39.1	54	59.1	1	51.3	4	49.7
Peptic Ulcer (531-533)	2	3.1	5	5.5	0	0.0	1	12.4
Hernia & Intestinal Obst. (550-553.9, 560)	1	1.6	2	2.2	0	0.0	0	0.0
Cirrhosis of the Liver (571)	4	6.2	11	12.0	0	0.0	0	0.0
Alcoholic Cirrhosis (571.0-.3)	4	6.2	8	8.8	0	0.0	0	0.0
Diseases of the Gallbladder (574-576)	1	1.6	3	3.3	0	0.0	1	12.4
Diseases of the Pancreas (577)	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis & Nephrosis (580-589)	2	3.1	3	3.3	1	51.3	1	12.4
Infections of the Kidney (590)	0	0.0	1	1.1	0	0.0	0	0.0
Diseases of the Male Genital Organs (600-608)	0	0.0	0	0.0	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	1	51.3	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	4	6.2	4	4.4	0	0.0	0	0.0
Certain Causes of Mortality in Early Infancy (760-779)	4	6.2	4	4.4	0	0.0	0	0.0
Senility (797)	0	0.0	0	0.0	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	4	6.2	5	5.5	0	0.0	0	0.0
All Other Natural Causes	44	68.7	46	50.3	0	0.0	6	74.5
Accidents (800-949)	33	51.6	49	53.6	1	51.3	5	62.1
Motor Vehicle (810-825)	20	31.2	22	24.1	1	51.3	3	37.3
Suicide (950-959)	9	14.1	14	15.3	0	0.0	0	0.0
Homicide (960-978)	6	9.4	2	2.2	0	0.0	0	0.0
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	1	1.1	0	0.0	0	0.0

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	HARNEY		HOOD RIVER		JACKSON		JEFFERSON	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	55	758.6	143	672.0	1172	867.5	87	713.1
Tuberculosis, All Forms (010-018)	0	0.0	0	0.0	5	3.7	0	0.0
Septicemia (038)	0	0.0	0	0.0	3	2.2	0	0.0
Viral Hepatitis (070)	0	0.0	0	0.0	1	.7	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	0	0.0	0	0.0	1	.7	0	0.0
Malignant Neoplasms (140-280)	13	179.3	26	158.5	276	204.3	12	98.4
Of Buccal Cavity & Pharynx (140-149)	0	0.0	0	0.0	7	5.2	0	0.0
Of Digestive Organs & Peritoneum (150-159)	8	110.3	6	36.6	65	48.1	5	41.0
Of Resp. & Intrathoracic Organs (160-165)	1	13.8	5	30.5	95	70.3	6	49.2
Of Breast (174-175)	1	13.8	2	12.2	22	16.3	1	8.2
Of Genital Organs (179-187)	0	0.0	5	30.5	25	18.5	0	0.0
Of Urinary Organs (188-189)	0	0.0	2	12.2	12	8.9	0	0.0
Leukemia (204-208)	2	27.6	1	6.1	13	9.6	0	0.0
Benign Neoplasms (210-229)	0	0.0	0	0.0	1	.7	0	0.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	0	0.0	0	0.0	1	.7	0	0.0
Diabetes Mellitus (250)	1	13.8	3	18.3	10	7.4	3	24.6
Anemias (280-285)	0	0.0	0	0.0	1	.7	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	0	0.0	0	0.0	2	1.5	0	0.0
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	1	13.8	0	0.0	0	0.0	0	0.0
Parkinson's Disease (332)	0	0.0	0	0.0	8	5.9	1	8.2
Epilepsy (345)	0	0.0	0	0.0	2	1.5	0	0.0
Major Cardiovascular Diseases (390-448)	23	317.2	65	396.3	541	400.4	48	393.4
Diseases of the Heart (390-398, 402, 404-429)	15	206.9	44	268.3	400	296.1	25	204.9
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	0	0.0	0	0.0	5	3.7	1	8.2
Hypertensive Heart Disease with/without Renal Disease (402, 404)	0	0.0	1	6.1	8	5.9	0	0.0
Ischemic Heart Disease (410-414)	10	137.9	39	237.8	315	233.2	17	139.3
Myocardial Infarction (410)	1	13.8	17	103.7	108	79.9	10	82.0
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Ischemic Heart Disease (412-414)	9	124.1	22	134.1	207	153.2	7	57.4
All Other Forms (415-429)	5	69.0	4	24.4	72	53.3	7	57.4
Hypertension (401, 403)	0	0.0	0	0.0	4	3.0	0	0.0
Cerebrovascular Diseas. (430-438)	7	96.6	10	61.0	107	79.2	21	172.1
Subarachnoid Hemorrhage (430)	0	0.0	0	0.0	2	1.5	0	0.0
Intracerebral & Intracranial Hemorrhages (431-432)	0	0.0	1	6.1	15	11.1	0	0.0
Cerebral Thrombosis & Embolism (434)	1	13.8	2	12.2	27	20.0	1	8.2
Acute but Ill-Defined Cerebrovascular Disease (436)	3	41.4	6	36.6	47	34.8	18	147.5
General Ischemic Cerebrovascular Disease (437)	3	41.4	0	0.0	12	8.9	2	16.4
Arteriosclerosis (440)	0	0.0	9	54.9	13	9.6	1	8.2
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	1	13.8	2	12.2	17	12.6	1	8.2
Venous Thrombosis & Embolism (451-453)	0	0.0	0	0.0	0	0.0	1	8.2
Pneumonia (480-486)	1	13.8	5	30.5	25	18.5	2	16.4
Influenza (487)	0	0.0	0	0.0	2	1.5	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	1	13.8	11	67.1	44	32.6	2	16.4
Peptic Ulcer (531-533)	0	0.0	2	12.2	2	1.5	0	0.0
Hernia & Intestinal Obst. (550-553.9, 560)	0	0.0	0	0.0	3	2.2	1	8.2
Cirrhosis of the Liver (571)	1	13.8	2	12.2	20	14.8	0	0.0
Alcoholic Cirrhosis (571.0-.3)	1	13.8	2	12.2	17	12.6	0	0.0
Diseases of the Gallbladder (574-576)	0	0.0	0	0.0	2	1.5	0	0.0
Diseases of the Pancreas (577)	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis & Nephrosis (580-589)	2	27.6	0	0.0	12	8.9	1	8.2
Infections of the Kidney (590)	0	0.0	0	0.0	1	.7	0	0.0
Diseases of the Male Genital Organs (600-608)	0	0.0	0	0.0	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	0	0.0	1	6.1	10	7.4	0	0.0
Certain Causes of Mortality in Early Infancy (760-779)	0	0.0	0	0.0	4	3.0	1	8.2
Senility (797)	0	0.0	0	0.0	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	0	0.0	1	6.1	6	4.4	1	8.2
All Other Natural Causes	5	69.0	11	67.1	81	60.0	3	24.6
Accidents (800-949)	4	55.2	13	79.3	78	57.7	8	65.6
Motor Vehicle (810-825)	1	13.8	4	24.4	38	28.1	6	49.2
Suicide (950-959)	3	41.4	2	12.2	22	16.3	1	8.2
Homicide (960-978)	0	0.0	1	6.1	7	5.2	2	16.4
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	0	0.0	1	.7	0	0.0

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	JOSEPHINE		KLAMATH		LAKE		LANE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	664	1101.2	483	829.9	64	842.1	2069	770.6
Tuberculosis, All Forms (010-018)	1	1.7	0	0.0	0	0.0	0	0.0
Septicemia (038)	1	1.7	2	3.4	0	0.0	4	1.5
Viral Hepatitis (070)	0	0.0	1	1.7	0	0.0	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	0	0.0	2	3.4	0	0.0	5	1.9
Malignant Neoplasms (140-280)	164	272.0	119	204.5	12	157.9	493	183.6
Of Buccal Cavity & Pharynx (140-149)	2	3.3	2	3.4	1	13.2	10	3.7
Of Digestive Organs & Peritoneum (150-159)	38	63.0	24	41.2	0	0.0	117	43.6
Of Resp. & Intrathoracic Organs (160-165)	41	68.0	41	70.4	4	52.6	146	54.4
Of Breast (174-175)	12	19.9	9	15.5	4	52.6	44	16.4
Of Genital Organs (179-187)	17	28.2	24	41.2	1	13.2	51	19.0
Of Urinary Organs (188-189)	7	11.6	3	5.2	1	13.2	14	5.2
Leukemia (204-208)	7	11.6	6	10.3	0	0.0	17	6.3
Benign Neoplasms (210-229)	0	0.0	1	1.7	1	13.2	1	.4
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	2	3.3	2	3.4	1	13.2	5	1.9
Diabetes Mellitus (250)	11	18.2	9	15.5	0	0.0	42	15.6
Anemias (280-285)	0	0.0	1	1.7	0	0.0	2	.7
Alcoholic Psychoses, Alcoholism (291, 303)	3	5.0	1	1.7	0	0.0	1	.4
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	0	0.0	0	0.0	0	0.0	0	0.0
Parkinson's Disease (332)	1	1.7	2	3.4	0	0.0	11	4.1
Epilepsy (345)	0	0.0	0	0.0	1	13.2	3	1.1
Major Cardiovascular Diseases (390-448)	320	530.7	214	367.7	27	355.3	955	355.7
Diseases of the Heart (390-398, 402, 404-429)	231	383.1	164	281.8	25	328.9	693	258.1
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	1	1.7	2	3.4	0	0.0	8	3.0
Hypertensive Heart Disease with/without Renal Disease (402, 404)	7	11.6	3	5.2	0	0.0	14	5.2
Ischemic Heart Disease (410-414)	180	298.5	136	233.7	17	223.7	542	201.9
Myocardial Infarction (410)	69	114.4	68	116.8	7	92.1	195	72.6
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	0	0.0	0	0.0	4	1.5
Chronic Ischemic Heart Disease (412-414)	111	184.1	68	116.8	10	131.6	343	127.7
All Other Forms (415-429)	43	71.3	23	39.5	8	105.3	129	48.0
Hypertension (401, 403)	3	5.0	2	3.4	0	0.0	8	3.0
Cerebrovascular Disease (430-438)	63	104.5	37	63.6	1	13.2	181	67.4
Subarachnoid Hemorrhage (430)	5	8.3	0	0.0	0	0.0	7	2.6
Intracerebral & Intracranial Hemorrhages (431-432)	5	8.3	3	5.2	0	0.0	25	9.3
Cerebral Thrombosis & Embolism (434)	5	8.3	2	3.4	0	0.0	36	13.4
Acute but Ill-Defined Cerebrovascular Disease (436)	38	63.0	27	46.4	0	0.0	90	33.5
General Ischemic Cerebrovascular Disease (437)	7	11.6	2	3.4	1	13.2	16	6.0
Arteriosclerosis (440)	19	31.5	7	12.0	0	0.0	52	19.4
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	4	6.6	4	6.9	1	13.2	21	7.8
Venous Thrombosis & Embolism (451-453)	1	1.7	0	0.0	0	0.0	0	0.0
Pneumonia (480-486)	14	23.2	16	27.5	1	13.2	67	25.0
Influenza (487)	1	1.7	0	0.0	0	0.0	5	1.9
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	36	59.7	16	27.5	4	52.6	83	30.9
Peptic Ulcer (531-533)	1	1.7	1	1.7	0	0.0	5	1.9
Hernia & Intestinal Obst. (550-553.9, 560)	2	3.3	1	1.7	0	0.0	4	1.5
Cirrhosis of the Liver (571)	7	11.6	12	20.6	3	39.5	24	8.9
Alcoholic Cirrhosis (571.0-.3)	7	11.6	11	18.9	2	26.3	18	6.7
Diseases of the Gallbladder (574-576)	0	0.0	0	0.0	0	0.0	4	1.5
Diseases of the Pancreas (577)	1	1.7	0	0.0	0	0.0	2	.7
Nephritis & Nephrosis (580-589)	3	5.0	1	1.7	0	0.0	10	3.7
Infections of the Kidney (590)	0	0.0	0	0.0	0	0.0	3	1.1
Diseases of the Male Genital Organs (600-608)	1	1.7	0	0.0	0	0.0	1	.4
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	2	3.4	0	0.0	0	0.0
Congenital Anomalies (740-759)	3	5.0	1	1.7	0	0.0	18	6.7
Certain Causes of Mortality in Early Infancy (760-779)	3	5.0	2	3.4	1	13.2	5	1.9
Senility (797)	0	0.0	1	1.7	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	4	6.6	3	5.2	1	13.2	8	3.0
All Other Natural Causes	37	61.4	30	51.5	3	39.5	148	55.1
Accidents (800-949)	31	51.4	31	53.3	8	105.3	98	36.5
Motor Vehicle (810-825)	17	28.2	14	24.1	5	65.8	52	19.4
Suicide (950-959)	10	16.6	10	17.2	1	13.2	46	17.1
Homicide (960-978)	6	10.0	2	3.4	0	0.0	12	4.5
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	0	0.0	0	0.0	4	1.5

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	LINCOLN		LINN		MALHEUR		MARION	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	428	1147.5	761	846.5	236	848.9	1870	890.5
Tuberculosis, All Forms (010-018)	0	0.0	1	1.1	1	3.6	2	1.0
Septicemia (038)	2	5.4	1	1.1	3	10.8	3	1.4
Viral Hepatitis (070)	0	0.0	0	0.0	0	0.0	2	1.0
Other Infective & Parasitic Diseases (Residual 001-139)	2	5.4	2	2.2	0	0.0	6	2.9
Malignant Neoplasms (140-280)	126	337.8	169	188.0	57	205.0	435	207.1
Of Buccal Cavity & Pharynx (140-149)	3	8.0	1	1.1	1	3.6	7	3.3
Of Digestive Organs & Peritoneum (150-159)	30	80.4	50	55.6	14	50.4	87	41.4
Of Resp. & Intrathoracic Organs (160-165)	38	101.9	47	52.3	12	43.2	129	61.4
Of Breast (174-175)	7	18.8	13	14.5	6	21.6	42	20.0
Of Genital Organs (179-187)	17	45.6	24	26.7	7	25.2	59	28.1
Of Urinary Organs (188-189)	6	16.1	7	7.8	3	10.8	20	9.5
Leukemia (204-208)	1	2.7	5	5.6	3	10.8	13	6.2
Benign Neoplasms (210-229)	0	0.0	3	3.3	0	0.0	4	1.9
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	0	0.0	0	0.0	1	3.6	7	3.3
Diabetes Mellitus (250)	9	24.1	11	12.2	6	21.6	19	9.0
Anemias (280-285)	0	0.0	0	0.0	0	0.0	1	.5
Alcoholic Psychoses, Alcoholism (291, 303)	2	5.4	1	1.1	3	10.8	5	2.4
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	1	.5
Meningitis (302-322)	0	0.0	0	0.0	0	0.0	0	0.0
Parkinson's Disease (332)	0	0.0	2	2.2	1	3.6	11	5.2
Epilepsy (345)	0	0.0	1	1.1	0	0.0	1	.5
Major Cardiovascular Diseases (390-448)	191	512.1	369	410.5	95	341.7	890	423.8
Diseases of the Heart (390-398, 402, 404-429)	130	348.5	299	332.6	77	277.0	657	312.9
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	3	8.0	7	7.8	0	0.0	11	5.2
Hypertensive Heart Disease with/without Renal Disease (402, 404)	1	2.7	2	2.2	1	3.6	17	8.1
Ischemic Heart Disease (410-414)	94	252.0	231	257.0	65	233.8	491	233.8
Myocardial Infarction (410)	41	109.9	90	100.1	14	50.4	191	91.0
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	0	0.0	0	0.0	1	.5
Chronic Ischemic Heart Disease (412-414)	53	142.1	141	156.8	51	183.5	299	142.4
All Other Forms (415-429)	32	85.8	59	65.6	11	39.6	138	65.7
Hypertension (401, 403)	2	5.4	2	2.2	0	0.0	8	3.8
Cerebrovascular Disease (430-438)	46	123.3	49	54.5	15	54.0	180	85.7
Subarachnoid Hemorrhage (430)	2	5.4	2	2.2	0	0.0	5	2.4
Intracerebral & Intracranial Hemorrhages (431-432)	2	5.4	1	1.1	3	10.8	15	7.1
Cerebral Thrombosis & Embolism (434)	2	5.4	13	14.5	3	10.8	32	15.2
Acute but Ill-Defined Cerebrovascular Disease (436)	33	88.5	26	28.9	9	32.4	108	51.4
General Ischemic Cerebrovascular Disease (437)	6	16.1	4	4.4	0	0.0	17	8.1
Arteriosclerosis (440)	10	26.8	14	15.6	1	3.6	32	15.2
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	3	8.0	5	5.6	2	7.2	13	6.2
Venous Thrombosis & Embolism (451-453)	0	0.0	1	1.1	0	0.0	1	.5
Pneumonia (480-486)	7	18.8	26	28.9	4	14.4	55	26.2
Influenza (487)	1	2.7	1	1.1	0	0.0	4	1.9
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	16	42.9	32	35.6	9	32.4	66	31.4
Peptic Ulcer (531-533)	1	2.7	0	0.0	2	7.2	2	1.0
Hernia & Intestinal Obst. (550-553.9, 560)	0	0.0	2	2.2	0	0.0	5	2.4
Cirrhosis of the Liver (571)	5	13.4	5	5.6	0	0.0	21	10.0
Alcoholic Cirrhosis (571.0-.3)	4	10.7	4	4.4	0	0.0	19	9.0
Diseases of the Gallbladder (574-576)	1	2.7	2	2.2	2	7.2	2	1.0
Diseases of the Pancreas (577)	0	0.0	0	0.0	0	0.0	1	.5
Nephritis & Nephrosis (580-589)	1	2.7	6	6.7	4	14.4	16	7.6
Infections of the Kidney (590)	1	2.7	1	1.1	1	3.6	2	1.0
Diseases of the Male Genital Organs (600-608)	0	0.0	1	1.1	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	2	5.4	3	3.3	5	18.0	12	5.7
Certain Causes of Mortality in Early Infancy (760-779)	0	0.0	5	5.6	3	10.8	21	10.0
Senility (797)	0	0.0	0	0.0	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	2	5.4	6	6.7	3	10.8	10	4.8
All Other Natural Causes	28	75.1	45	50.1	17	61.2	122	58.1
Accidents (800-949)	24	64.3	36	40.0	15	54.0	94	44.8
Motor Vehicle (810-825)	12	32.2	21	23.4	8	28.8	48	22.9
Suicide (950-959)	5	13.4	22	24.5	2	7.2	38	18.1
Homicide (960-978)	1	2.7	5	5.6	2	7.2	8	3.8
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	1	2.7	2	2.2	0	0.0	3	1.4

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	MORROW		MULTNOMAH		POLK		SHERMAN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	63	840.0	5737	1020.3	441	980.0	19	863.6
Tuberculosis, All Forms (010-018)	0	0.0	7	1.2	0	0.0	0	0.0
Septicemia (038)	0	0.0	26	4.6	0	0.0	0	0.0
Viral Hepatitis (070)	0	0.0	4	.7	1	2.2	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	0	0.0	17	3.0	0	0.0	0	0.0
Malignant Neoplasms (140-280)	14	186.7	1237	220.0	101	224.4	2	90.9
Of Buccal Cavity & Pharynx (140-149)	0	0.0	25	4.4	1	2.2	0	0.0
Of Digestive Organs & Peritoneum (150-159)	7	93.3	300	53.4	23	51.1	1	45.5
Of Resp. & Intrathoracic Organs (160-165)	3	40.0	396	70.4	31	68.9	1	45.5
Of Breast (174-175)	0	0.0	96	17.1	8	17.8	0	0.0
Of Genital Organs (179-187)	3	40.0	132	23.5	10	22.2	0	0.0
Of Urinary Organs (188-189)	0	0.0	50	8.9	7	15.6	0	0.0
Leukemia (204-208)	0	0.0	45	8.0	6	13.3	0	0.0
Benign Neoplasms (210-229)	0	0.0	2	.4	1	2.2	0	0.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	2	26.7	11	2.0	0	0.0	0	0.0
Diabetes Mellitus (250)	1	13.3	66	11.7	10	22.2	1	45.5
Anemias (280-285)	0	0.0	8	1.4	0	0.0	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	1	13.3	29	5.2	0	0.0	0	0.0
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	0	0.0	2	.4	0	0.0	0	0.0
Parkinson's Disease (332)	1	13.3	25	4.4	2	4.4	0	0.0
Epilepsy (345)	1	13.3	4	.7	0	0.0	0	0.0
Major Cardiovascular Diseases (390-448)	26	346.7	2700	480.2	219	486.7	7	318.2
Diseases of the Heart (390-398, 402, 404-429)	15	200.0	2061	366.5	165	366.7	4	181.8
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	0	0.0	22	3.9	4	8.9	0	0.0
Hypertensive Heart Disease with/without Renal Disease (402, 404)	1	13.3	85	15.1	3	6.7	0	0.0
Ischemic Heart Disease (410-414)	10	133.3	1529	271.9	123	273.3	3	136.4
Myocardial Infarction (410)	5	66.7	535	95.1	48	106.7	0	0.0
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	5	.9	0	0.0	0	0.0
Chronic Ischemic Heart Disease (412-414)	5	66.7	989	175.9	75	166.7	3	136.4
All Other Forms (415-429)	4	53.3	425	75.6	35	77.8	1	45.5
Hypertension (401, 403)	0	0.0	12	2.1	1	2.2	0	0.0
Cerebrovascular Disease (430-438)	8	106.7	445	79.1	40	88.9	3	136.4
Subarachnoid Hemorrhage (430)	0	0.0	17	3.0	0	0.0	0	0.0
Intracerebral & Intracranial Hemorrhages (431-432)	0	0.0	57	10.1	1	2.2	0	0.0
Cerebral Thrombosis & Embolism (434)	2	26.7	76	13.5	14	31.1	2	90.9
Acute but Ill-Defined Cerebrovascular Disease (436)	4	53.3	234	41.6	24	53.3	1	45.5
General Ischemic Cerebrovascular Disease (437)	0	0.0	45	8.0	1	2.2	0	0.0
Arteriosclerosis (440)	0	0.0	111	19.7	10	22.2	0	0.0
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	3	40.0	71	12.6	3	6.7	0	0.0
Venous Thrombosis & Embolism (451-453)	0	0.0	3	.5	0	0.0	0	0.0
Pneumonia (480-486)	1	13.3	172	30.6	11	24.4	0	0.0
Influenza (487)	1	13.3	8	1.4	0	0.0	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	3	40.0	247	43.9	21	46.7	2	90.9
Peptic Ulcer (531-533)	1	13.3	27	4.8	1	2.2	0	0.0
Hernia & Intestinal Obst. (550-553.9, 560)	0	0.0	8	1.4	1	2.2	0	0.0
Cirrhosis of the Liver (571)	1	13.3	117	20.8	3	6.7	0	0.0
Alcoholic Cirrhosis (571.0-.3)	1	13.3	102	18.1	2	4.4	0	0.0
Diseases of the Gallbladder (574-576)	0	0.0	11	2.0	0	0.0	0	0.0
Diseases of the Pancreas (577)	0	0.0	6	1.1	0	0.0	0	0.0
Nephritis & Nephrosis (580-589)	1	13.3	38	6.8	4	8.9	0	0.0
Infections of the Kidney (590)	0	0.0	6	1.1	1	2.2	1	45.5
Diseases of the Male Genital Organs (600-608)	0	0.0	0	0.0	1	2.2	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	1	.2	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	3	.5	0	0.0	0	0.0
Congenital Anomalies (740-759)	0	0.0	37	6.6	2	4.4	0	0.0
Certain Causes of Mortality in Early Infancy (760-779)	0	0.0	41	7.3	2	4.4	1	45.5
Senility (797)	0	0.0	1	.2	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	0	0.0	23	4.1	2	4.4	0	0.0
All Other Natural Causes	3	40.0	438	77.9	25	55.6	0	0.0
Accidents (800-949)	4	53.3	231	41.1	22	48.9	4	181.8
Motor Vehicle (810-825)	3	40.0	105	18.7	11	24.4	3	136.4
Suicide (950-959)	2	26.7	103	18.3	8	17.8	1	45.5
Homicide (960-978)	0	0.0	42	7.5	2	4.4	0	0.0
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	36	6.4	1	2.2	0	0.0

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	TILLAMOOK		UMATILLA		UNION		WALLOWA	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	239	1086.4	510	841.6	210	846.8	66	874.2
Tuberculosis, All Forms (010-018)	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia (038)	1	4.5	1	1.7	0	0.0	0	0.0
Viral Hepatitis (070)	1	4.5	1	1.7	1	4.0	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	1	4.5	0	0.0	0	0.0	2	26.5
Malignant Neoplasms (140-280)	63	286.4	126	207.9	52	209.7	11	145.7
Of Buccal Cavity & Pharynx (140-149)	1	4.5	1	1.7	0	0.0	0	0.0
Of Digestive Organs & Peritoneum (150-159)	15	68.2	23	38.0	14	56.5	5	66.2
Of Resp. & Intrathoracic Organs (160-165)	21	95.5	44	72.6	15	60.5	1	13.2
Of Breast (174-175)	1	4.5	16	26.4	3	12.1	0	0.0
Of Genital Organs (179-187)	12	54.5	11	18.2	4	16.1	2	26.5
Of Urinary Organs (188-189)	1	4.5	7	11.6	0	0.0	0	0.0
Leukemia (204-208)	4	18.2	6	9.9	0	0.0	1	13.2
Benign Neoplasms (210-229)	0	0.0	2	3.3	0	0.0	0	0.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	0	0.0	1	1.7	0	0.0	0	0.0
Diabetes Mellitus (250)	4	18.2	10	16.5	3	12.1	2	26.5
Anemias (280-285)	1	4.5	0	0.0	0	0.0	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	0	0.0	3	5.0	0	0.0	0	0.0
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	1	4.5	0	0.0	0	0.0	0	0.0
Parkinson's Disease (332)	0	0.0	4	6.6	2	8.1	0	0.0
Epilepsy (345)	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases (390-448)	108	490.9	219	361.4	82	330.6	30	397.4
Diseases of the Heart (390-398, 402, 404-429)	83	377.3	168	277.2	63	254.0	28	370.9
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	1	4.5	3	5.0	0	0.0	1	13.2
Hypertensive Heart Disease with/without Renal Disease (402, 404)	0	0.0	3	5.0	2	8.1	1	13.2
Ischemic Heart Disease (410-414)	64	290.9	132	217.8	40	161.3	20	264.9
Myocardial Infarction (410)	23	104.5	62	102.3	14	56.5	3	39.7
Other Acute & Subacute Ischemic Heart Disease (411)	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Ischemic Heart Disease (412-414)	41	186.4	70	115.5	26	104.8	17	225.2
All Other Forms (415-429)	18	81.8	30	49.5	21	84.7	6	79.5
Hypertension (401, 403)	1	4.5	0	0.0	2	8.1	0	0.0
Cerebrovascular Disease (430-438)	19	86.4	34	56.1	13	52.4	2	26.5
Subarachnoid Hemorrhage (430)	1	4.5	1	1.7	1	4.0	0	0.0
Intracerebral & Intracranial Hemorrhages (431-432)	3	13.6	4	6.6	2	8.1	1	13.2
Cerebral Thrombosis & Embolism (434)	2	9.1	8	13.2	0	0.0	0	0.0
Acute but Ill-Defined Cerebrovascular Disease (436)	12	54.5	17	28.1	9	36.3	1	13.2
General Ischemic Cerebrovascular Disease (437)	0	0.0	3	5.0	1	4.0	0	0.0
Arteriosclerosis (440)	3	13.6	8	13.2	3	12.1	0	0.0
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	2	9.1	9	14.9	1	4.0	0	0.0
Venous Thrombosis & Embolism (451-453)	1	4.5	1	1.7	0	0.0	0	0.0
Pneumonia (480-486)	3	13.6	21	34.7	8	32.3	3	39.7
Influenza (487)	2	9.1	1	1.7	1	4.0	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	5	22.7	19	31.4	12	48.4	2	26.5
Peptic Ulcer (531-533)	1	4.5	3	5.0	0	0.0	0	0.0
Hernia & Intestinal Obst. (550-553.9, 560)	0	0.0	2	3.3	2	8.1	0	0.0
Cirrhosis of the Liver (571)	1	4.5	7	11.6	1	4.0	2	26.5
Alcoholic Cirrhosis (571.0-.3)	1	4.5	7	11.6	1	4.0	2	26.5
Diseases of the Gallbladder (574-576)	0	0.0	0	0.0	1	4.0	0	0.0
Diseases of the Pancreas (577)	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis & Nephrosis (580-589)	4	18.2	5	8.3	1	4.0	1	13.2
Infections of the Kidney (590)	1	4.5	0	0.0	1	4.0	0	0.0
Diseases of the Male Genital Organs (600-608)	0	0.0	0	0.0	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	0	0.0	3	5.0	2	8.1	0	0.0
Certain Causes of Mortality in Early Infancy (760-779)	1	4.5	4	6.6	0	0.0	0	0.0
Senility (797)	0	0.0	0	0.0	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	0	0.0	4	6.6	1	4.0	0	0.0
All Other Natural Causes	21	95.5	30	49.5	22	88.7	5	66.2
Accidents (800-949)	14	63.6	27	44.6	15	60.5	6	79.5
Motor Vehicle (810-825)	9	40.9	12	19.8	6	24.2	5	66.2
Suicide (950-959)	4	18.2	12	19.8	2	8.1	1	13.2
Homicide (960-978)	1	4.5	2	3.3	0	0.0	1	13.2
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	2	3.3	1	4.0	0	0.0

Death rates per 100,000 population

TABLE 55. DEATHS BY SELECTED CAUSES WITH RATES BY COUNTY OF RESIDENCE, OREGON, 1984

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	WASCO		WASHINGTON		WHEELER		YAMHILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS, ALL CAUSES	256	1137.8	1601	615.3	14	1000.0	505	886.0
Tuberculosis, All Forms (010-018)	0	0.0	2	.8	0	0.0	1	1.8
Septicemia (038)	1	4.4	5	1.9	0	0.0	0	0.0
Viral Hepatitis (070)	1	4.4	2	.8	0	0.0	0	0.0
Other Infective & Parasitic Diseases (Residual 001-139)	1	4.4	4	1.5	0	0.0	2	3.5
Malignant Neoplasms (140-280)	58	257.8	415	159.5	2	142.9	139	243.9
Of Buccal Cavity & Pharynx (140-149)	0	0.0	3	1.2	0	0.0	3	5.3
Of Digestive Organs & Peritoneum (150-159)	18	80.0	106	40.7	0	0.0	28	49.1
Of Resp. & Intrathoracic Organs (160-165)	17	75.6	125	48.0	0	0.0	37	64.9
Of Breast (174-175)	6	26.7	49	18.8	1	71.4	10	17.5
Of Genital Organs (179-187)	7	31.1	40	15.4	0	0.0	24	42.1
Of Urinary Organs (188-189)	1	4.4	11	4.2	0	0.0	9	15.8
Leukemia (204-208)	3	13.3	18	6.9	0	0.0	9	15.8
Benign Neoplasms (210-229)	0	0.0	0	0.0	0	0.0	0	0.0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	0	0.0	1	.4	0	0.0	1	1.8
Diabetes Mellitus (250)	4	17.8	24	9.2	0	0.0	6	10.5
Anemias (280-285)	1	4.4	0	0.0	0	0.0	0	0.0
Alcoholic Psychoses, Alcoholism (291, 303)	0	0.0	4	1.5	0	0.0	1	1.8
Drug Dependence (304)	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis (302-322)	1	4.4	1	.4	0	0.0	0	0.0
Parkinson's Disease (332)	0	0.0	7	2.7	0	0.0	0	0.0
Epilepsy (345)	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases (390-448)	124	551.1	713	274.0	9	642.9	237	415.8
Diseases of the Heart (390-398, 402, 404-429)	95	422.2	539	207.1	6	428.6	167	293.0
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	0	0.0	7	2.7	0	0.0	2	3.5
Hypertensive Heart Disease with/without Renal Disease (402, 404)	8	35.6	15	5.8	0	0.0	1	1.8
Ischemic Heart Disease (410-414)	70	311.1	411	158.0	5	357.1	138	242.1
Myocardial Infarction (410)	26	115.6	161	61.9	1	71.4	57	100.0
Other Acute & Subacute Ischemic Heart Disease (411)	1	4.4	1	.4	0	0.0	0	0.0
Chronic Ischemic Heart Disease (412-414)	43	191.1	249	95.7	4	285.7	81	142.1
All Other Forms (415-429)	17	75.6	106	40.7	1	71.4	26	45.6
Hypertension (401, 403)	1	4.4	2	.8	0	0.0	3	5.3
Cerebrovascular Disease (430-438)	19	84.4	124	47.7	3	214.3	53	93.0
Subarachnoid Hemorrhage (430)	3	13.3	5	1.9	0	0.0	1	1.8
Intracerebral & Intracranial Hemorrhages (431-432)	4	17.8	14	5.4	1	71.4	4	7.0
Cerebral Thrombosis & Embolism (434)	1	4.4	15	5.8	0	0.0	6	10.5
Acute but Ill-Defined Cerebrovascular Disease (436)	11	48.9	76	29.2	2	142.9	28	49.1
General Ischemic Cerebrovascular Disease (437)	0	0.0	11	4.2	0	0.0	13	22.8
Arteriosclerosis (440)	5	22.2	31	11.9	0	0.0	7	12.3
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	4	17.8	17	6.5	0	0.0	7	12.3
Venous Thrombosis & Embolism (451-453)	0	0.0	2	.8	0	0.0	1	1.8
Pneumonia (480-486)	9	40.0	50	19.2	0	0.0	8	14.0
Influenza (487)	2	8.9	3	1.2	0	0.0	0	0.0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	13	57.8	55	21.1	1	71.4	16	28.1
Peptic Ulcer (531-533)	0	0.0	4	1.5	0	0.0	0	0.0
Hernia & Intestinal Obst. (550-553.9, 560)	0	0.0	7	2.7	0	0.0	1	1.8
Cirrhosis of the Liver (571)	2	8.9	18	6.9	0	0.0	4	7.0
Alcoholic Cirrhosis (571.0-.3)	1	4.4	12	4.6	0	0.0	2	3.5
Diseases of the Gallbladder (574-576)	0	0.0	3	1.2	0	0.0	1	1.8
Diseases of the Pancreas (577)	0	0.0	3	1.2	0	0.0	0	0.0
Nephritis & Nephrosis (580-589)	1	4.4	14	5.4	0	0.0	3	5.3
Infections of the Kidney (590)	0	0.0	2	.8	0	0.0	0	0.0
Diseases of the Male Genital Organs (600-608)	1	4.4	0	0.0	0	0.0	0	0.0
Diseases of Uterus and Other Female Genital Organs (614-629)	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies (740-759)	1	4.4	13	5.0	1	71.4	3	5.3
Certain Causes of Mortality in Early Infancy (760-779)	4	17.8	7	2.7	0	0.0	4	7.0
Senility (797)	0	0.0	0	0.0	0	0.0	0	0.0
Sudden Infant Death Syndrome (798.0)	0	0.0	7	2.7	0	0.0	2	3.5
All Other Natural Causes	17	75.6	101	38.8	0	0.0	43	75.4
Accidents (800-949)	10	44.4	90	34.6	1	71.4	21	36.8
Motor Vehicle (810-825)	6	26.7	45	17.3	0	0.0	11	19.3
Suicide (950-959)	4	17.8	28	10.8	0	0.0	8	14.0
Homicide (960-978)	1	4.4	12	4.6	0	0.0	3	5.3
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	0	0.0	4	1.5	0	0.0	0	0.0

Death rates per 100,000 population

Table 56. DEATHS BY SELECTED CAUSES BY RACE, OREGON RESIDENTS, 1984

SELECTED CAUSES OF DEATH	TOTAL	RACE						
		WHITE	BLACK	INDIAN	CHINESE	JAPANESE	OTHER ASIAN & PACIFIC ISLANDERS	OTHER & NOT STATED
TOTAL DEATHS, ALL CAUSES	23,101	22,568	287	112	40	28	59	7
Tuberculosis, All Forms (101-018)	23	22	0	0	1	0	0	0
Septicemia (038)	72	70	2	0	0	0	0	0
Viral Hepatitis (070)	17	17	0	0	0	0	0	0
Other Infective & Parasitic Diseases (Residual 001-139)	60	58	1	1	0	0	0	0
Malignant Neoplasms (140-280)	5,387	5,280	68	13	6	6	13	1
Of Buccal Cavity & Pharynx (140-149)	92	91	1	0	0	0	0	0
Of Digestive Organs & Peritoneum (150-159)	1,280	1,244	22	6	1	4	3	0
Of Resp. & Intrathoracic Organs (160-165)	1,637	1,604	17	6	3	1	5	1
Of Breast (174-175)	458	452	6	0	0	0	0	0
Of Genital Organs (179-187)	616	607	8	0	0	0	1	0
Of Urinary Organs (188-189)	219	218	1	0	0	0	0	0
Leukemia (204-208)	208	203	1	0	0	1	3	0
Benign Neoplasms (210-229)	22	22	0	0	0	0	0	0
In Situ, Uncertain Behavior, Unspecified Neoplasms (230-239)	45	43	1	1	0	0	0	0
Diabetes Mellitus (250)	343	326	12	3	1	1	0	0
Anemias (280-285)	20	18	1	1	0	0	0	0
Alcoholic Psychoses, Alcoholism (291, 303)	69	63	1	5	0	0	0	0
Drug Dependence (304)	1	1	0	0	0	0	0	0
Meningitis (302-322)	8	7	1	0	0	0	0	0
Parkinson's Disease (332)	99	99	0	0	0	0	0	0
Epilepsy (345)	17	17	0	0	0	0	0	0
Major Cardiovascular Diseases (390-448)	10,696	10,502	109	32	19	12	18	4
Diseases of the Heart (390-398, 402, 404-429)	8,022	7,865	93	25	14	9	13	3
Rheumatic Fever & Chronic Rheumatic Heart Disease (390-398)	98	98	0	0	0	0	0	0
Hypertensive Heart Disease with/without Renal Disease (402, 404)	224	217	6	1	0	0	0	0
Ischemic Heart Disease (410-414)	6,009	5,901	61	20	8	9	7	3
Myocardial Infarction (410)	2,228	2,190	18	10	3	3	2	2
Other Acute & Subacute Ischemic Heart Disease (411)	16	15	0	0	0	0	0	1
Chronic Ischemic Heart Disease (412-414)	3,765	3,696	43	10	5	6	5	0
All Other Forms (415-429)	1,691	1,649	26	4	6	0	6	0
Hypertension (401, 403)	71	66	1	2	1	0	1	0
Cerebrovascular Disease (430-438)	1,919	1,895	12	3	4	2	2	1
Subarachnoid Hemorrhage (430)	66	66	0	0	0	0	0	0
Intracerebral & Intracranial Hemorrhage (431-432)	192	185	4	0	2	1	0	0
Cerebral Thrombosis & Embolism (434)	307	304	1	0	2	0	0	0
Acute but Ill-Defined Cerebrovascular Disease (436)	1,093	1,080	6	3	0	1	2	1
General Ischemic Cerebrovascular Disease (437)	202	201	1	0	0	0	0	0
Arteriosclerosis (440)	431	426	2	2	0	0	1	0
Other Diseases of Arteries, Arterioles & Capillaries (441-448)	253	250	1	0	0	1	1	0
Venous Thrombosis & Embolism (451-453)	20	20	0	0	0	0	0	0
Pneumonia (480-486)	679	670	4	2	0	0	2	1
Influenza (487)	46	46	0	0	0	0	0	0
Bronchitis, Emphysema, Asthma, COPD (490-493, 496)	957	945	9	2	0	1	0	0
Peptic Ulcer (531-533)	66	65	1	0	0	0	0	0
Hernia & Intestinal Obst. (550-553.9, 560)	52	51	0	1	0	0	0	0
Cirrhosis of the Liver (571)	318	298	7	11	0	0	2	0
Alcoholic Cirrhosis (571.0-.3)	262	245	6	11	0	0	0	0
Diseases of the Gallbladder (574-576)	40	39	1	0	0	0	0	0
Diseases of the Pancreas (577)	16	16	0	0	0	0	0	0
Nephritis & Nephrosis (580-589)	174	165	2	1	4	2	0	0
Infections of the Kidney (590)	25	24	0	0	0	1	0	0
Diseases of the Male Genital Organs (600-608)	6	6	0	0	0	0	0	0
Diseases of Uterus and Other Female Genital Organs (614-629)	4	4	0	0	0	0	0	0
Complications of Pregnancy, Childbirth and the Puerperium (630-676)	5	3	1	0	0	0	1	0
Congenital Anomalies (740-759)	152	148	2	1	0	0	1	0
Certain Causes of Mortality in Early Infancy (760-779)	136	126	6	2	0	0	2	0
Senility (797)	5	4	0	0	0	0	1	0
Sudden Infant Death Syndrome (798.0)	109	100	3	2	1	0	3	0
All Other Natural Causes	1,608	1,565	19	10	4	4	6	0
Accidents (800-949)	1,185	1,146	14	14	4	0	6	1
Motor Vehicle (810-825)	607	591	3	4	4	0	4	1
Suicide (950-959)	423	407	7	4	0	1	4	0
Homicide (960-978)	135	118	12	5	0	0	0	0
Injuries Undetermined Whether Accidentally or Purposely Inflicted (980-989)	61	57	3	1	0	0	0	0

MARRIAGE & DIVORCE

MARRIAGES AND DIVORCES

MARRIAGES AND DIVORCES DECLINE

During the last quarter century the annual marriage rate increased steadily from 1961 to 1972, and after reaching a plateau, a slight decrease occurred in 1975 and 1976 (Figure 15). From 1977 to the present the marriage rate has fluctuated yearly. In 1984, 23,074 marriages occurred in Oregon, a decrease of 4.6 percent from the recorded high point of 24,186 in 1982. The rate of 8.7 marriages to 1,000 population is also down slightly from the 1983 rate of 8.9.

Divorces, with 15,631 reported in 1984, declined slightly from the 1983 figures. The rate of divorces has shown a slight decline since 1976, with 1984 being the lowest rate of divorce since 1973.

The Oregon rates for marriage and divorce parallel the U.S. changes. However, the Oregon divorce rate started decreasing at a slightly earlier date.

Oregon's marriage rates are consistently lower than the U.S., while our divorce rates are consistently higher. Figure 16 plots the ratio of Oregon marriages and divorces to the U.S. over the last decade. This figure graphically shows the Oregon divorce/marriage ratio decreasing faster and approaching the U.S. average. Oregon's higher ratio could be affected by Oregon residents marrying outside the state.

OCCURRENCE FIGURES YIELD LOW MARRIAGE RATE

Although the marriage and divorce rates are more useful than the absolute number of events, the calculation of rates is considerably more complicated than for the other areas of vital statistics. First, unlike birth and death events, the states do not exchange certificates of residents. Having only figures of events occurring in Oregon rather than resident figures is a serious problem because there may be several advantages for marrying out of the state of Oregon, but few advantages for divorcing in another state. Oregon has traditionally had stricter requirements (financial and medical) than neighboring states, so many marriages which would normally occur here are counted in Washington, California, Idaho and Nevada. Oregon's marriage rate was the lowest rate in the 13 states making up the Mountain and Pacific regions in 1982, the most recent year for which U.S. data is available.

FIGURE 15. OREGON MARRIAGE AND DIVORCE RATES
1960 -1984 (Rates per 1,000 population)

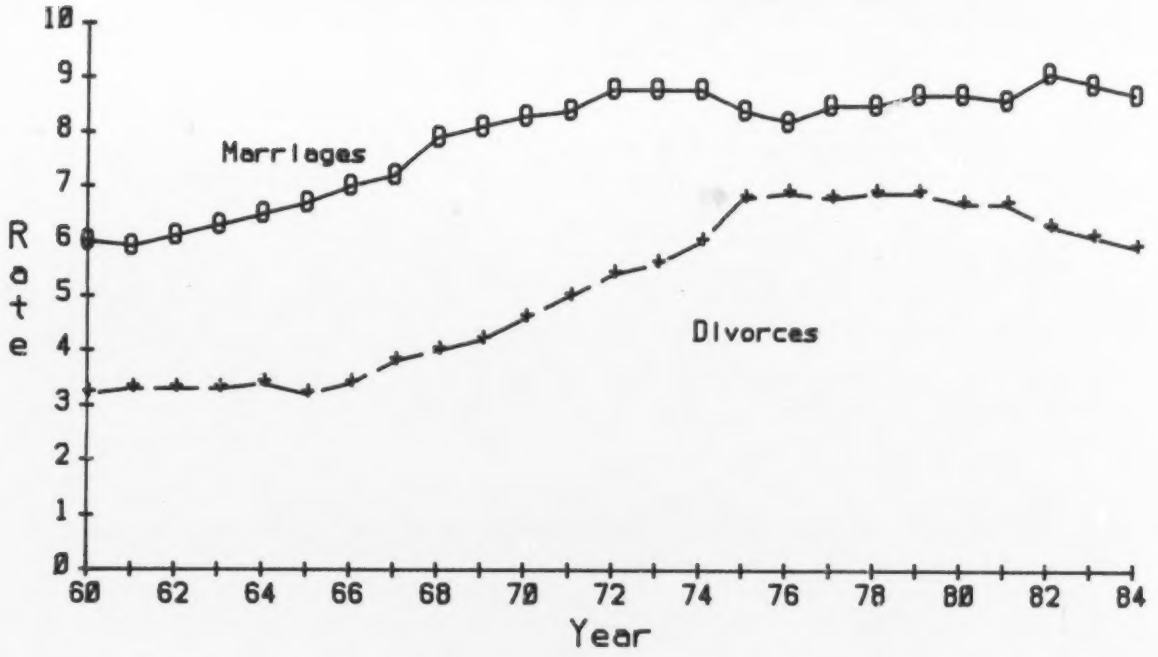


FIGURE 16. DIVORCE TO MARRIAGE RATIO, 1975 to 1984
Oregon versus U.S.

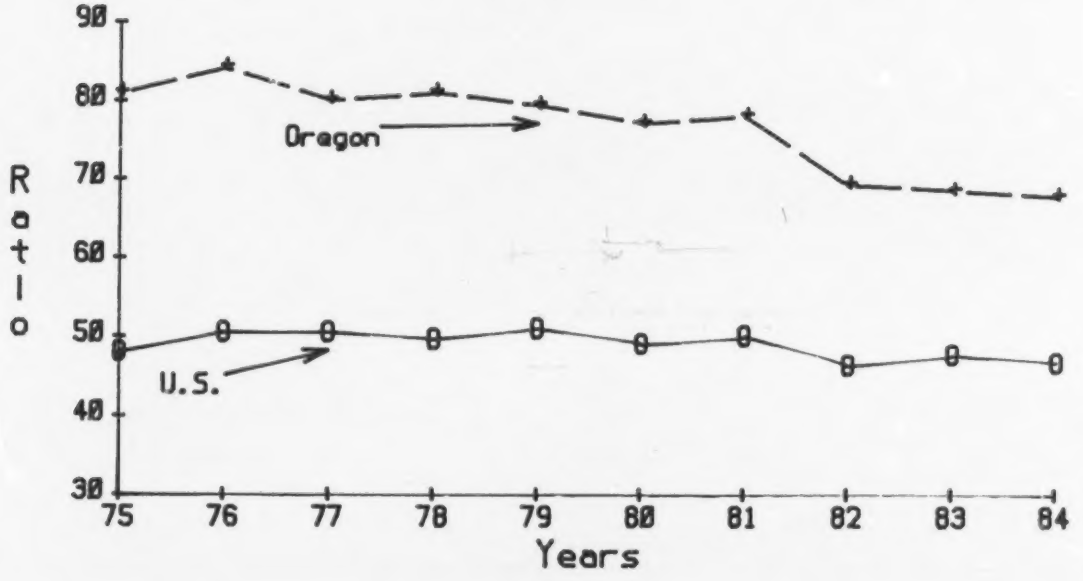
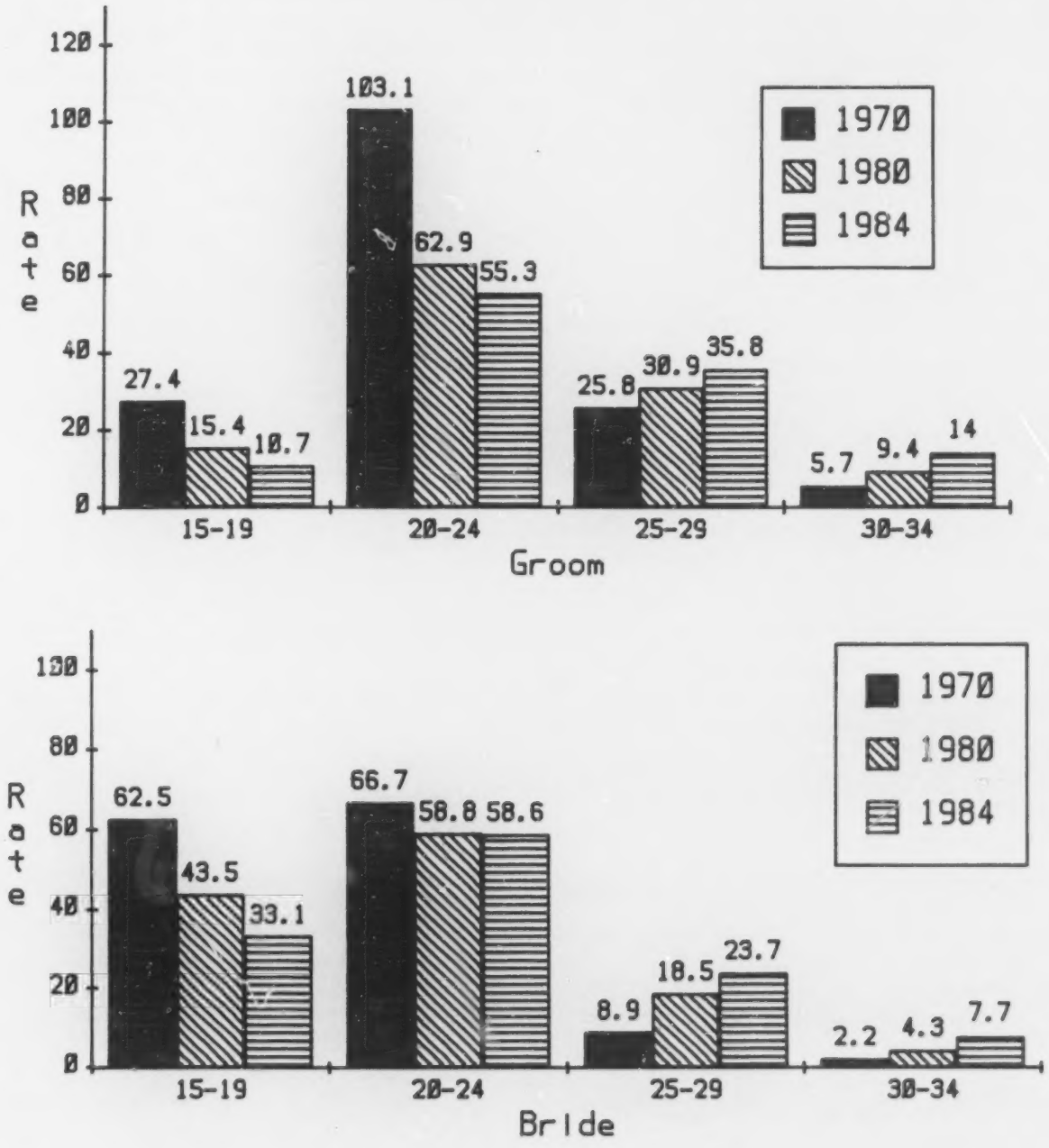


FIGURE 17. FIRST MARRIAGE RATES FOR BRIDES AND GROOMS
Selected Age Groups 1970, 1980 & 1984



RATES BY AGE FOR FIRST MARRIAGES CHANGING

A second factor which makes marriage rates complicated is that the true denominator for the people "at risk" (the number of unmarried people in the population) is available only in census years, and the total population can be a misleading substitute. Figure 17 refers only to first marriages within certain age/sex groups, and shows the changes which have occurred over the past fifteen years. For both males and females the first-marriage rate has declined for teenagers while the rates for those 25 and over have increased. Males in their early twenties are marrying at a considerably lower rate than in 1970, but females have shown only minor changes.

The lower rates for 15 to 24 year olds and the higher rates for the 25 to 34 year olds suggest that people are delaying marriage. This delay combined with an older population has increased the median age at first marriage from 23.6 in 1979 to 24.6 in 1984 for grooms and from 21.7 to 22.8 for brides.

DURATION OF MARRIAGE BEFORE DIVORCE

A slight change is noticeable in the duration of the marriages which were terminated in 1984. Ten years years earlier, 45.1 percent of divorces were to people who had been married for less than five years. By 1984 the proportion of divorces where the couple had been married for less than 5 years had decreased to 38.6 percent.

In 1979 the median duration of marriage prior to the dissolution was 6.1 years. Five years later, in 1984, the figure had increased to 6.6, and the increased duration for first divorces was greater than for subsequent divorces. In 1979 the duration was 7.1 for first time wives and 7.2 for first time husbands. In 1984 the median duration was 7.9 for wives and 7.8 for husbands (Figure 18).

FIGURE 18. MEDIAN DURATION OF MARRIAGE BEFORE DIVORCE
OREGON 1979 and 1984

Median Duration of Marriage		Order of Marriage				
		TOTAL	1st	2nd	3rd	4th or more
Wife	1984	6.6	7.9	5.5	4.2	3.3
Wife	1979	6.1	7.1	5.1	3.5	2.5
Husband	1984	6.6	7.8	5.5	4.2	3.9
Husband	1979	6.1	7.2	4.9	3.7	2.9

CHILDREN AFFECTED BY DIVORCE The decline in the fertility rate has resulted in fewer children under the age of 18 being affected by divorce. Until 1975 the number of decrees was exceeded by the number of affected children, but both figures increased at a steady rate. After 1975, however, decrees continued to increase, but the number of children remained the same or declined. In 1984, 13,018 minor children were affected by a divorce.

FIGURE 19. 1984 OREGON DIVORCES AND ANNULMENTS
Involving Children Under 18 Years

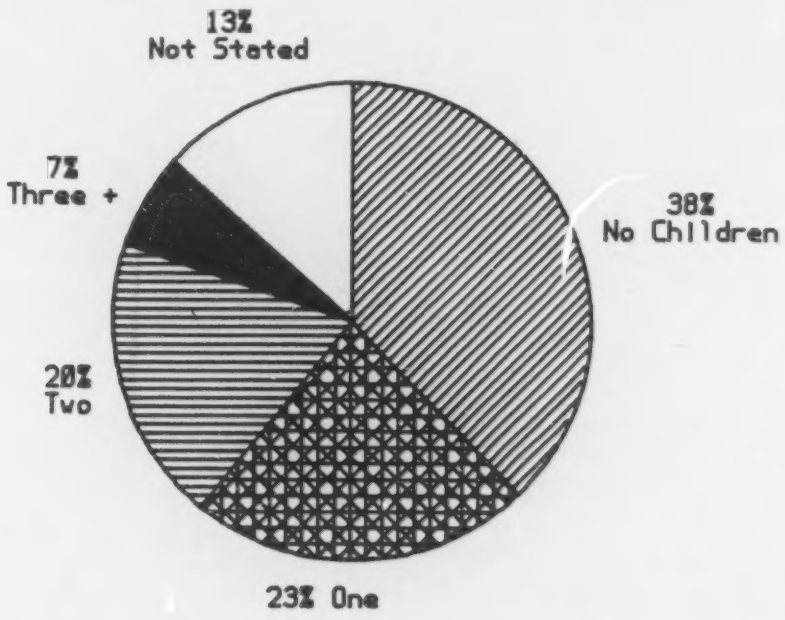


TABLE 57. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY NUMBER OF MINOR CHILDREN (UNDER 18 YEARS) AFFECTED, OREGON, 1984

NUMBER OF CHILDREN REPORTED OF THIS MARRIAGE ONLY	DISSOLUTIONS OF MARRIAGE AND ANNULMENTS	
	Number	Percent
TOTAL	15,631	100.0
0 None	5,913	37.8
1 Child	3,631	23.2
2 Children	3,042	19.5
3 Children	789	5.1
4 Children	164	1.5
5 Children	33	0.2
6 Children	8	0.1
7 or More Children	9	0.1
Not Reported	2,042	13.1
Total Number of Reported Minor Children Affected	13,018	

TABLE 58. MARRIAGES AND DISSOLUTION OF MARRIAGES (INCLUDING ANNULMENTS) BY MONTH OF OCCURRENCE, OREGON, 1984

MONTH OF OCCURRENCE	MARRIAGES		DISSOLUTION OF MARRIAGES AND ANNULMENTS	
	NUMBER	RATE	NUMBER	RATE
TOTAL	23,074	8.7	15,631	5.9
January	1,064	4.8	1,376	6.2
February	1,384	6.2	1,208	5.4
March	1,668	7.5	1,411	6.4
April	1,499	6.8	1,242	5.6
May	1,843	8.3	1,447	6.5
June	2,910	13.1	1,377	6.2
July	2,210	10.0	1,392	6.3
August	2,837	12.8	1,379	6.2
September	2,579	11.6	1,175	5.3
October	1,558	7.0	1,395	6.3
November	1,522	6.9	1,293	5.8
December	2,000	9.0	936	4.2

Rates per 1,000 population. Monthly rates are annual projections based on that month's occurrence.

Note: Beginning in 1984, the "date decree becomes effective" was used instead of "marriage was dissolved on..."; therefore, the number of divorces recorded is about 400 less for 1984.

TABLE 59. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF GROOM, OREGON, 1984

AGE OF GROOM	ALL MARRIAGES	FIRST MARRIAGE FOR GROOM	REMARRIAGE FOR GROOM			PREVIOUS STATUS UNKNOWN
			TOTAL	DIVORCED	WIDOWED	
ALL AGES	23,074	13,830	9,165	8,380	785	79
15-19	1,129	1,113	2	2	-	14
20-24	6,668	6,274	367	366	1	27
25-29	5,455	4,020	1,417	1,406	11	18
30-34	3,695	1,695	1,991	1,967	24	9
35-39	2,279	460	1,813	1,786	27	6
40-44	1,315	123	1,191	1,157	34	1
45-49	771	45	726	701	25	-
50-54	474	15	459	394	65	-
55-59	362	18	343	264	79	1
60-64	270	7	262	154	108	1
65-69	214	6	208	76	132	-
70-74	161	5	155	31	124	1
75+	156	3	152	22	130	1
Not Stated	125	46	79	54	25	-
Median Age	28.4	24.6	37.2	36.3	65.7	24.8

TABLE 60. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF BRIDE, OREGON, 1984

AGE OF BRIDE	ALL MARRIAGES	FIRST MARRIAGE FOR BRIDE	REMARRIAGE FOR BRIDE			PREVIOUS STATUS UNKNOWN
			TOTAL	DIVORCED	WIDOWED	
ALL AGES	23,074	13,828	9,172	8,297	875	74
15-19	3,360	3,301	42	39	3	17
20-24	7,416	6,530	855	842	13	31
25-29	4,759	2,733	2,014	1,967	47	12
30-34	3,087	929	2,152	2,094	58	6
35-39	1,835	219	1,614	1,558	56	2
40-44	934	47	887	830	57	-
45-49	502	12	490	431	59	-
50-54	327	3	324	238	86	-
55-59	200	7	191	106	85	2
60-64	181	3	177	62	115	1
65-69	148	1	147	38	109	-
70-74	111	2	107	19	88	2
75+	80	-	79	7	72	1
Not Stated	134	41	93	66	27	-
Median Age	25.8	22.8	33.9	33.1	58.5	23.2

TABLE 61. ALL MARRIAGES AND FIRST MARRIAGES FOR BOTH BRIDE AND GROOM BY AGE GROUPS, OREGON, 1984

ALL MARRIAGES

AGE OF GROOM	TOTAL	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL	23,074	3,360	7,416	4,759	3,087	1,835	934	502	327	200	181	148	111	80	134
15-19	1,129	863	231	20	6	5	1	-	-	-	-	-	-	-	3
20-24	6,668	2,039	3,888	589	110	27	8	1	-	1	-	-	-	-	5
25-29	5,455	347	2,295	1,964	609	190	30	12	-	-	-	-	1	-	7
30-34	3,695	75	708	1,316	1,104	371	90	22	5	2	-	-	1	-	1
35-39	2,279	30	213	571	723	556	140	39	3	1	-	-	-	-	3
40-44	1,315	3	58	210	337	371	234	77	18	4	1	-	-	-	2
45-49	771	1	10	52	118	189	207	129	48	12	-	-	-	-	5
50-54	474	-	6	20	46	74	122	103	76	14	10	1	-	2	-
55-59	362	-	2	7	18	38	69	63	85	52	21	1	3	1	2
60-64	270	-	1	1	9	10	21	36	57	63	44	22	3	1	2
65-69	214	-	-	-	3	3	4	10	26	32	60	44	24	8	-
70-74	161	-	-	-	2	-	3	4	5	13	34	45	40	14	1
75+	156	-	-	-	-	-	3	6	3	6	11	34	39	54	-
Not Stated	125	2	4	9	2	1	2	-	1	-	-	1	-	-	103

FIRST MARRIAGE FOR BRIDE & GROOM

AGE OF GROOM	TOTAL	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	4[illegible] 49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL	11,134	3,071	5,504	1,878	518	103	16	6	-	2	-	-	-	-	36
15-19	1,068	845	210	10	-	-	-	-	-	-	-	-	-	-	3
20-24	5,646	1,929	3,401	289	20	3	-	-	-	-	-	-	-	-	4
25-29	3,060	264	1,575	1,026	164	23	2	1	-	-	-	-	-	-	5
30-34	1,028	25	258	451	256	34	4	-	-	-	-	-	-	-	-
35-39	228	6	47	82	60	28	2	2	-	-	-	-	-	-	1
40-44	47	-	5	17	11	12	1	1	-	-	-	-	-	-	-
45-49	13	-	3	-	5	3	2	-	-	-	-	-	-	-	-
50-54	4	-	-	1	1	-	2	-	-	-	-	-	-	-	-
55-59	7	-	1	1	-	-	3	1	-	1	-	-	-	-	-
60-64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65-69	3	-	-	-	1	-	-	1	-	1	-	-	-	-	-
70-74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not Stated	30	2	4	1	-	-	-	-	-	-	-	-	-	-	23

TABLE 62. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF BRIDE, OREGON, 1984

COUNTY OF OCCURRENCE	ALL AGES	AGE OF BRIDE											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	23,074	3,360	7,416	4,759	3,087	1,835	934	502	327	200	181	339	134
Baker	128	24	42	23	16	7	3	5	2	1	1	4	-
Benton	524	51	167	149	64	40	21	6	3	4	3	12	4
Clackamas	1,939	255	690	370	245	160	93	38	32	11	17	26	2
Clatsop	320	38	101	78	43	23	15	3	9	2	5	2	1
Columbia	275	59	86	49	31	18	14	6	2	2	1	7	-
Coos	572	113	163	103	74	40	31	17	13	5	4	9	-
Crook	144	40	41	18	12	13	7	5	2	1	-	5	-
Curry	171	31	39	32	30	12	9	3	3	1	6	5	-
Deschutes	583	95	154	132	95	53	21	14	6	5	1	6	1
Douglas	948	199	286	173	100	83	36	20	15	10	11	14	1
Gilliam	16	-	7	6	1	-	1	-	-	-	1	-	-
Grant	74	7	24	20	9	5	3	1	1	1	1	2	-
Harney	62	12	23	14	4	3	-	1	1	1	-	3	-
Hood River	202	40	49	47	38	16	3	5	-	2	1	-	1
Jackson	1,297	228	391	234	171	114	57	28	23	15	15	20	1
Jefferson	126	26	43	17	21	7	5	3	2	1	-	-	1
Josephine	549	113	164	84	78	41	24	14	9	3	8	11	-
Klamath	459	100	147	72	50	31	22	9	9	5	6	7	1
Lake	61	16	16	10	6	4	1	3	3	1	-	1	-
Lane	2,354	345	755	448	337	199	96	60	37	20	19	30	8
Lincoln	414	47	101	76	61	53	28	14	13	5	5	11	-
Linn	794	155	281	132	88	38	18	20	8	1	4	9	40
Malheur	199	51	72	27	18	8	8	9	-	-	2	3	1
Marion	1,995	320	697	366	236	152	76	47	26	22	8	39	6
Morrow	63	19	17	13	5	4	-	2	1	1	-	1	-
Multnomah	5,117	414	1,624	1,331	802	432	207	95	55	34	33	61	9
Polk	279	45	77	61	34	22	12	5	7	4	1	10	1
Sherman	9	1	1	-	1	3	-	2	1	-	-	-	-
Tillamook	210	41	51	36	22	20	14	4	7	4	4	7	-
Umatilla	498	101	179	87	47	37	13	7	6	2	3	4	12
Union	208	44	66	45	22	14	5	4	2	-	2	1	3
Wallowa	69	7	12	3	7	2	3	1	-	-	-	-	34
Wasco	193	26	70	39	26	15	9	1	3	1	1	2	-
Washington	1,760	209	618	389	234	139	65	36	19	12	13	19	7
Wheeler	5	2	2	1	-	-	-	-	-	-	-	-	-
Yamhill	457	86	160	74	59	27	14	14	7	3	5	8	-

TABLE 63. MARRIAGES BY COUNTY OF OCCURRENCE BY AGE GROUPS OF GROOM, OREGON, 1984

COUNTY OF OCCURRENCE	ALL AGES	AGE OF GROOM											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	23,074	1,129	6,668	5,455	3,695	2,279	1,315	771	474	362	270	531	125
Baker	128	7	44	29	13	10	8	6	2	3	2	4	-
Benton	524	18	136	147	95	51	27	19	7	3	1	15	5
Clackamas	1,939	94	559	444	307	190	120	69	51	44	15	43	3
Clatsop	320	12	92	83	42	37	18	11	6	6	3	10	-
Columbia	275	21	91	61	29	27	15	6	8	7	2	8	-
Coos	572	39	177	107	94	49	37	21	15	9	7	17	-
Crook	144	8	52	27	24	12	5	4	2	3	2	4	1
Curry	171	9	42	36	26	19	10	7	6	1	3	12	-
Deschutes	583	35	146	133	113	61	35	21	13	7	12	6	1
Douglas	948	79	293	182	131	99	56	32	19	19	12	26	-
Gilliam	16	-	3	7	4	1	-	-	-	-	-	1	-
Grant	74	1	19	16	15	7	6	3	2	1	-	4	-
Harney	62	4	23	14	8	4	4	1	1	-	-	3	-
Hood River	202	10	54	52	38	26	10	5	2	1	2	2	-
Jackson	1,297	93	375	280	179	131	75	51	25	28	26	33	1
Jefferson	126	6	36	27	28	12	5	4	4	2	-	1	1
Josephine	549	53	151	110	86	55	27	16	15	9	6	21	-
Klamath	459	34	164	83	57	39	29	15	14	6	6	11	1
Lake	61	-	25	14	11	2	3	2	2	1	-	1	-
Lane	2,354	107	704	538	390	237	132	80	48	41	18	53	6
Lincoln	414	18	86	84	64	53	37	14	13	19	10	16	-
Linn	794	46	261	188	107	53	46	20	10	3	9	10	41
Malheur	199	20	71	43	23	13	11	5	3	2	2	5	1
Marion	1,995	115	635	474	275	176	102	62	38	36	25	50	7
Morrow	63	3	26	13	4	4	7	-	3	-	1	2	-
Multnomah	5,117	119	1,258	1,406	962	569	302	179	92	65	59	96	10
Polk	279	16	78	59	50	26	16	6	6	4	3	15	-
Sherman	9	-	2	-	-	1	2	1	1	2	-	-	-
Tillamook	210	5	57	46	38	20	8	6	5	5	10	10	-
Umatilla	498	24	186	104	73	35	23	17	13	3	3	6	11
Union	208	16	68	40	31	26	11	6	5	-	1	3	1
Wallowa	69	4	7	7	10	5	1	2	1	-	-	-	32
Wasco	193	13	62	33	37	21	12	5	3	3	1	3	-
Washington	1,760	63	539	451	263	183	97	63	30	18	19	31	3
Wheeler	5	1	3	1	-	-	-	-	-	-	-	-	-
Yamhill	457	36	143	116	68	25	18	12	9	11	10	9	-

TABLE 64. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND DURATION OF MARRIAGE, OREGON, 1984

AGE AT DIVORCE	TOTAL	DURATION OF MARRIAGE					
		Under 1 Year	1 - 4 Years	5 - 9 Years	10 - 19 Years	20 + Years	Not Stated
HUSBAND							
TOTAL	15,631	593	5,448	4,288	3,635	1,614	123
15 - 19	67	12	55	-	-	-	-
20 - 24	1,488	99	1,208	166	-	-	15
25 - 29	2,973	96	1,433	1,307	114	-	23
30 - 34	3,288	84	982	1,228	969	-	25
35 - 39	2,707	69	625	652	1,286	53	22
40 - 44	1,873	58	435	349	622	402	7
45 - 49	1,132	45	248	199	250	383	7
50 - 54	705	40	124	127	126	285	3
55 - 59	484	20	93	94	93	179	7
60 - 64	313	24	82	37	63	127	3
65+	371	34	88	60	64	164	5
Not Stated	230	12	75	69	48	21	6
WIFE							
TOTAL	15,631	593	5,448	4,288	3,635	1,614	123
15 - 19	347	49	292	-	-	-	6
20 - 24	2,552	117	1,827	589	4	-	15
25 - 29	3,351	109	1,222	1,629	357	-	34
30 - 34	3,102	90	763	959	1,266	-	24
35 - 39	2,509	70	552	513	1,188	174	12
40 - 44	1,486	56	297	224	392	511	6
45 - 49	802	21	163	126	147	338	7
50 - 54	473	24	87	75	78	206	3
55 - 59	285	12	58	37	50	130	1
60 - 64	208	8	42	30	48	109	-
65+	250	24	56	38	47	107	5
Not Stated	266	13	89	68	58	29	10

Note: Beginning in 1984, the "date decree becomes effective" was used instead of "marriage was dissolved on..."; therefore, the number of divorces recorded is about 400 less for 1984.

TABLE 65. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND ORDER OF MARRIAGE, OREGON, 1984

AGE AT DIVORCE	TOTAL	ORDER OF MARRIAGE				
		First	Second	Third	Fourth or more	Not Stated
HUSBAND						
TOTAL	15,631	8,815	3,291	1,043	396	2,086
15-19	67	65	-	-	-	2
20-24	1,488	1,279	41	2	1	165
25-29	2,973	2,288	331	32	5	317
30-34	3,288	2,071	700	109	9	399
35-39	2,707	1,353	747	225	43	339
40-44	1,873	760	559	198	83	273
45-49	1,132	412	318	139	76	187
50-54	705	239	197	95	69	105
55-59	484	128	145	91	43	77
60-64	313	60	100	61	33	59
65-69	186	45	60	37	14	30
70-74	102	13	31	26	8	24
75+	93	11	30	15	11	16
Not Stated	230	91	32	13	1	93
Median Age	34.8	32.8	38.7	43.7	48.8	36.7
WIFE						
TOTAL	15,631	9,224	3,726	1,224	462	995
15-19	347	317	3	-	-	27
20-24	2,552	2,214	171	16	2	149
25-29	3,351	2,377	689	102	17	166
30-34	3,102	1,786	852	241	54	169
35-39	2,509	1,145	818	285	106	155
40-44	1,486	654	442	192	99	99
45-49	802	301	258	114	67	62
50-54	473	157	166	81	42	27
55-59	285	97	89	51	26	22
60-64	208	49	76	51	17	15
65-69	115	14	53	27	11	10
70-74	77	9	30	26	6	6
75+	58	2	29	13	6	8
Not Stated	266	102	50	25	9	80
Median Age	32.3	29.3	35.8	39.2	41.4	32.4

TABLE 66. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURENCE BY AGE GROUPS OF WIFE, OREGON, 1984

COUNTY OF OCCURRENCE	ALL AGES	AGE OF WIFE											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	15,631	347	2,552	3,351	3,102	2,509	1,486	802	473	285	208	250	266
Baker	98	2	20	23	13	13	11	4	3	2	3	4	-
Benton	302	4	51	68	71	44	34	13	5	1	4	3	4
Clackamas	1,120	19	155	217	247	198	113	72	41	19	11	10	18
Clatsop	171	8	37	40	21	23	10	11	5	6	5	4	1
Columbia	460	13	85	87	94	88	43	16	7	5	7	1	14
Coos	378	14	67	84	72	53	35	16	13	6	4	8	6
Crook	112	8	19	25	26	10	9	4	3	3	1	3	1
Curry	103	4	19	13	15	21	5	4	5	5	-	8	4
Deschutes	408	9	56	94	82	74	29	17	12	11	7	12	5
Douglas	626	18	98	133	127	92	67	38	17	8	7	15	6
Gilliam	4	1	1	1	-	-	-	1	-	-	-	-	-
Grant	60	1	7	13	9	13	2	10	-	1	1	3	-
Harney	36	-	8	7	3	7	7	2	1	-	-	-	1
Hood River	302	12	61	69	52	41	26	17	9	2	10	2	1
Jackson	981	28	154	189	188	156	93	55	34	27	17	20	20
Jefferson	62	4	13	12	9	4	5	3	1	1	2	2	6
Josephine	470	16	86	87	81	74	44	20	13	12	10	14	13
Klamath	398	14	88	76	63	55	40	13	11	10	7	2	19
Lake	40	1	5	9	9	9	3	-	3	1	-	-	-
Lane	1,825	26	279	419	365	313	183	87	54	36	22	28	13
Lincoln	203	5	37	48	37	28	16	13	7	1	4	4	3
Linn	493	15	99	97	88	66	55	24	14	14	5	7	9
Malheur	123	4	23	24	20	16	11	10	4	5	1	2	3
Marion	940	28	140	200	184	148	99	58	25	12	11	13	22
Morrow	39	1	6	5	9	12	4	1	-	-	-	-	1
Multnomah	3,107	38	465	694	708	496	289	147	105	52	39	43	31
Polk	489	8	90	106	109	83	25	29	10	8	6	13	2
Sherman	3	-	-	-	-	1	2	-	-	-	-	-	-
Tillamook	206	4	34	42	34	31	15	18	9	6	2	5	6
Umatilla	319	5	58	67	53	53	36	17	7	8	4	7	4
Union	103	4	20	23	22	19	8	1	-	1	2	1	2
Wallowa	22	2	2	5	3	2	1	2	3	1	1	-	-
Wasco	146	6	29	34	21	15	10	9	4	3	-	4	11
Washington	1,165	20	172	279	219	198	129	53	37	14	10	10	24
Wheeler	8	-	2	2	-	1	1	1	1	-	-	-	-
Yamhill	309	5	66	59	48	52	26	16	10	4	5	2	16

Note: Beginning in 1984, the "date decree becomes effective" was used instead of "marriage was dissolved on..."; therefore, the number of divorces recorded is about 400 less for 1984.

TABLE 67. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURENCE BY AGE GROUPS OF HUSBAND, OREGON, 1984

COUNTY OF OCCURRENCE	ALL AGES	AGE OF HUSBAND											
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+	N.S.
TOTAL	15,631	67	1,488	2,973	3,288	2,707	1,873	1,132	705	484	313	371	230
Baker	98	1	9	24	16	12	15	6	3	3	2	7	-
Benton	302	-	26	75	62	60	36	21	6	4	5	5	2
Clackamas	1,120	6	86	188	221	225	161	98	59	31	18	13	14
Clatsop	171	2	17	35	42	26	15	5	5	8	9	6	1
Columbia	460	1	49	87	102	82	50	32	16	10	8	6	17
Coos	378	3	47	70	76	57	48	23	17	16	6	10	5
Crook	112	-	15	27	20	17	10	7	6	2	4	3	1
Curry	103	-	12	16	17	23	12	5	4	3	3	8	-
Deschutes	408	2	34	69	95	85	37	27	17	14	11	13	4
Douglas	626	7	65	109	124	96	68	64	33	23	10	21	6
Gilliam	4	-	1	2	-	-	-	-	-	1	-	-	-
Grant	60	-	6	10	8	13	5	3	7	3	1	4	-
Harney	36	-	3	5	8	6	5	4	3	1	-	1	-
Hood River	302	3	36	64	68	49	28	17	9	11	6	7	4
Jackson	981	5	99	165	196	153	137	77	49	29	25	33	13
Jefferson	62	1	9	14	10	9	4	1	3	1	2	4	4
Josephine	470	3	52	81	84	79	55	33	23	15	14	18	13
Klamath	398	-	60	80	58	64	48	28	13	13	5	12	17
Lake	40	-	2	7	10	7	6	2	2	2	-	2	-
Lane	1,825	5	156	338	413	331	220	127	92	54	37	42	10
Lincoln	203	-	21	35	53	33	20	9	9	9	4	9	1
Linn	493	2	59	101	94	66	58	39	26	15	13	12	8
Malheur	123	1	19	24	18	14	22	6	6	4	4	5	-
Marion	940	7	87	173	220	147	103	65	46	26	20	19	27
Morrow	39	-	6	7	6	8	6	4	1	-	-	-	1
Multnomah	3,107	9	254	593	710	569	366	227	138	102	60	51	28
Polk	489	-	45	106	114	83	53	28	20	9	9	18	4
Sherman	3	-	-	-	-	1	1	-	1	-	-	-	-
Tillamook	206	1	14	39	33	41	28	11	8	12	6	7	6
Umatilla	319	2	39	65	58	57	37	19	13	9	5	10	5
Union	103	-	11	20	27	20	11	5	5	-	4	-	-
Wallowa	22	-	3	3	3	2	5	1	3	-	1	1	-
Wasco	146	-	23	24	28	18	15	17	3	4	1	5	8
Washington	1,165	5	92	241	236	221	144	92	43	40	17	14	20
Wheeler	8	-	-	4	-	-	2	1	1	-	-	-	-
Yamhill	309	1	31	72	58	33	42	28	15	10	3	5	11

Note: Beginning in 1984, the "date decree becomes effective" was used instead of "marriage was dissolved on..."; therefore, the number of divorces recorded is about 400 less for 1984.

TABLE 68. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY DURATION OF MARRIAGE AND ORDER OF MARRIAGE FOR HUSBAND AND WIFE, OREGON, 1984

DURATION OF MARRIAGE	TOTAL	ORDER OF MARRIAGE				
		First	Second	Third	Fourth or more	Not Stated
HUSBAND						
TOTAL	15,631	8,815	3,291	1,043	396	2,086
Under 1 year	593	198	160	95	53	87
1 year	1,257	560	348	150	53	146
2 years	1,399	704	327	134	50	184
3 years	1,455	789	323	119	44	180
4 years	1,337	679	335	102	46	175
5 years	1,150	576	281	92	38	163
6 years	980	528	243	59	21	129
7 years	828	460	208	40	14	106
8 years	710	397	167	37	16	93
9 years	620	362	138	37	12	71
10-14 years	2,316	1,472	403	101	37	303
15-19 years	1,319	905	176	43	6	189
20-24 years	746	528	87	12	4	115
25-29 years	396	291	42	11	-	52
30+ years	402	311	27	5	-	59
Not Stated	123	55	26	6	2	34
WIFE						
TOTAL	15,631	9,224	3,726	1,224	462	995
Under 1 year	593	195	199	106	54	39
1 year	1,257	557	349	179	100	72
2 years	1,399	707	381	161	65	85
3 years	1,455	787	400	141	41	86
4 years	1,337	745	362	119	38	73
5 years	1,150	620	295	113	32	90
6 years	980	554	260	81	31	54
7 years	828	487	215	53	17	56
8 years	710	410	197	37	26	40
9 years	620	397	151	31	10	31
10-14 years	2,316	1,540	504	117	23	132
15-19 years	1,319	970	203	42	14	90
20-24 years	746	562	102	22	4	56
25-29 years	396	308	53	5	2	28
30+ years	402	327	34	6	2	33
Not Stated	123	58	21	11	3	30

Note: Beginning in 1984, the "date decree becomes effective" was used instead of "marriage was dissolved on..."; therefore, the number of divorces recorded is about 400 less for 1984.

TABLE 69. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY STATE OR REGION WHERE MARRIAGE OCCURRED BY DURATION OF MARRIAGE, OREGON, 1984

STATE OR REGION OF MARRIAGE	TOTAL	DURATION OF MARRIAGE				
		Under 1 Year	1 - 4 Years	5 - 9 Years	10 Years & Over	Not Stated
TOTAL	15,631	593	5,448	4,288	5,179	123
New England	70	-	8	22	39	1
Middle Atlantic	133	1	17	35	80	-
East North Central	238	-	42	52	143	1
West North Central	240	2	42	53	142	1
South Atlantic	177	3	40	51	82	1
East South Central	56	-	13	14	29	-
West South Central	184	9	55	33	87	-
Mountain:						
Montana	58	1	9	16	31	1
Idaho	315	9	108	62	134	2
Wyoming	25	-	6	9	10	-
Colorado	87	-	19	27	41	-
New Mexico	28	-	4	6	16	2
Arizona	94	3	25	26	40	-
Utah	66	2	23	20	21	-
Nevada	2,282	123	844	673	629	13
Pacific:						
Washington	1,945	66	687	500	681	11
OREGON	7,964	351	3,193	2,262	2,120	38
California	1,197	14	203	317	659	4
Alaska	48	4	14	20	10	-
Hawaii	58	-	22	12	24	-
Virgin Islands	3	-	1	2	-	-
Foreign Countries	274	5	56	68	143	2
Not Stated	89	-	17	8	18	46

MORBIDITY

MORBIDITY

INCOMPLETE REPORTING CAUSES INCOMPLETE DATA

The number of cases reported for each disease category in the following sections probably underestimates the actual number of cases that have occurred during the year. Although reporting of communicable diseases by physicians is mandatory in Oregon, underreporting frequently occurs because of a break in the chain of events leading to the report of a disease. This chain includes the occurrence of the disease in an individual patient, the seeking of medical care by that patient, the making of the correct diagnosis by the physician, and the reporting of that diagnosed patient to the local health department. Failure to seek medical care and failure to report diagnosed cases are probably the most common causes of incomplete reporting. The communicable disease rules are now being revised to make reporting easier and more timely.

GONORRHEA

The incidence of reported gonorrhea cases has continued to steadily decline since 1980.

SALMONELLOSIS

The large number of cases reported in 1984 reflects the occurrence of four foodborne outbreaks. The largest of them, associated with ten restaurants in The Dalles, involved over 700 cases.

TUBERCULOSIS

The number of newly reported tuberculosis cases continued to decline since a peak in 1980. This decline may, in part, be the result of a decreasing number of newly arriving refugees as well as the result of intensive efforts to prevent the disease among persons recently exposed to tuberculosis.

VACCINE PREVENTABLE DISEASES

No significant outbreaks of measles, pertussis, polio, or rubella occurred during the year. The occurrence of sporadic cases, or small clusters of cases, however continues to demonstrate the need to maintain effective immunization programs for outbreak prevention.

TABLE 70. REPORTED CASES OF GONORRHEA BY SEX AND AGE-GROUPS, OREGON, 1980-1984

AGE GROUPS	1980		1981		1982		1983		1984	
AND SEX	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	11,159	423.9	9,189	345.4	7,791	293.3	6,672	253.2	6,635	249.4
Male	5,669	437.3	5,346	407.9	4,394	335.9	3,647	282.1	3,565	272.8
Female	3,761	281.4	3,843	284.7	3,397	252.0	3,025	225.0	3,070	226.9
Under 10	9	*	11	*	13	3.3	14	3.6	10	2.6
Male	4	*	2	*	1	0.5	4	2.0	2	1.0
Female	4	*	9	*	12	6.3	10	5.3	8	4.2
10 - 14	84	41.5	58	28.5	59	29.4	76	38.9	104	54.8
Male	12	11.6	6	5.8	5	4.9	7	7.0	11	11.3
Female	56	56.6	52	52.4	54	55.2	69	72.3	93	100.3
15 - 19	2,630	1,164.7	2,022	928.6	1,738	809.8	1,522	730.4	1,728	849.1
Male	793	691.4	660	1,268.9	574	521.8	525	494.0	603	581.3
Female	1,418	1,276.1	1,362	1,279.2	1,164	1,112.6	997	976.3	1,125	127.5
20 - 24	3,669	1,543.0	2,970	1,268.9	2,530	1,123.1	2,220	1,004.1	2,166	963.2
Male	1,951	1,656.2	1,735	1,497.3	1,448	1,286.7	1,204	1,088.3	1,225	1,079.4
Female	1,212	1,010.1	1,235	1,045.0	1,082	959.8	1,016	919.7	941	844.7
25 - 29	2,171	856.5	1,864	737.6	1,508	614.2	1,188	507.8	1,069	469.9
Male	1,411	1,112.2	1,334	1,058.4	1,039	855.5	790	683.3	703	626.0
Female	541	427.3	530	418.4	469	378.0	398	336.4	366	317.7
30 - 34	1,088	478.1	975	403.0	772	320.9	603	255.0	529	219.6
Male	727	631.8	730	598.0	576	475.1	441	371.8	392	324.0
Female	226	200.9	245	204.4	196	164.2	162	137.5	137	114.3
35 - 39	464	271.8	389	216.5	334	174.1	300	151.7	253	121.4
Male	321	373.1	307	338.5	255	263.5	230	231.1	191	181.6
Female	81	95.7	82	92.2	79	83.1	70	71.2	62	60.1
40+	384	41.4	321	39.1	287	30.3	238	24.9	234	24.0
Male	266	61.4	268	67.8	299	51.6	187	42.0	187	41.2
Female	57	11.5	53	12.5	58	11.5	51	10.0	47	9.0
Age Not Stated	660		579		550		511		542	
Male	184		304		267		259		251	
Female	166		275		283		252		291	

All rates per 100,000 population within the specific age group.

TABLE 71. REPORTED CASES OF SYPHILIS BY AGE GROUPS AND YEAR, OREGON, 1979-1984

AGE GROUP	1979		1980		1981		1982		1983		1984	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
All Ages	168	6.6	109[1]	4.1	123	4.6	111	4.2	144	5.5	117	4.4
10-14	1	0.5	1	0.5	-	-	-	-	-	-	-	-
15-19	11	4.8	11	4.9	12	5.5	7	3.3	3	1.4	10	4.9
20-24	39	15.8	24	10.1	25	10.7	27	12.0	26	11.8	18	8.0
25-29	45	19.2	32	12.6	25	9.9	28	11.4	33	14.1	28	12.3
30-34	25	13.0	26	11.4	25	10.3	17	7.1	32	13.5	20	8.3
35-39	20	12.9	6	3.5	14	7.8	11	5.7	22	11.1	12	5.8
40+	27	3.0	8	0.9	22	2.3	21	2.2	28	2.9	29	3.0

Includes primary and secondary syphilis only.
All rates per 100,000 popualtion within the specific age group.

[1] Includes one with age not stated.

TABLE 72. REPORTED CASES WITH RATES OF SYPHILIS AND GONORRHEA BY YEAR OREGON, 1945-1984

YEAR	SYPHILIS			GONORRHEA	
	TOTAL		Primary & Secondary (Contagious)		
	Cases	Rate		Cases	Rate
1945	1,717	139.9	472	3,214	261.9
1946	1,447	107.4	493	2,438	180.9
1947	1,427	100.3	439	1,945	136.7
1948	1,205	81.9	286	2,363	92.7
1949	703	46.5	152	854	56.5
1950	525	34.5	54	614	40.4
1951	381	24.3	46	745	47.5
1952	629	39.3	56	702	43.8
1953	683	41.7	48	557	34.0
1954	713	42.9	44	548	33.0
1955	609	36.0	37	470	27.8
1956	598	34.5	52	490	28.2
1957	589	33.9	21	611	35.2
1958	716	41.4	22	916	53.0
1959	746	42.0	46	1,029	57.9
1960	637	36.0	72	1,331	75.3
1961	524	28.8	43	1,258	69.3
1962	561	30.7	49	1,287	70.5
1963	593	31.9	73	1,783	96.1
1964	377	19.8	76	2,177	114.2
1965	427	22.4	47	2,520	127.8
1966	222	11.1	46	2,811	140.6
1967	206	10.3	43	3,363	167.6
1968	199	9.7	41	4,056	197.8
1969	201	9.7	43	5,799	277.6
1970	177	8.5	32	6,793	324.8
1971	114	5.3	15	9,043	422.0
1972	113	5.2	40	10,206	476.5
1973	148	6.7	49	11,146	501.0
1974	237	10.5	118	11,704	516.5
1975	304	13.2	145	11,449	498.0
1976	250	10.7	106	11,022	470.7
1977	282	11.8	144	11,044	460.9
1978	415	16.8	170	11,253	455.2
1979	361	14.2	168	10,278	404.0
1980	296	11.2	109	11,162	424.0
1981	272	10.2	123	9,189	345.4
1982	214	8.1	111	7,796	293.5
1983	274	10.4	144	6,672	253.2
1984	251	9.4	117	6,635	249.4

All rates per 100,000 population

TABLE 73. REPORTED CASES OF SYPHILIS AND GONORRHEA BY COUNTY OF RESIDENCE AND BY TYPE OF INFECTION, OREGON, 1984

COUNTY OF RESIDENCE	SYPHILIS					GONORRHEA	
	Total		Primary & Secondary (Contagious)	Early Latent	Late		
	Number	Rate				Number	Rate
TOTAL	251	9.4	117	100	34	6,635	249.4
Baker	1	6.2	-	1	-	11	68.1
Benton	1	1.5	-	-	1	67	98.4
Clackamas	11	4.5	4	6	1	361	148.2
Clatsop	1	3.1	1	-	-	44	134.4
Columbia	-	-	-	-	-	23	63.9
Coos	8	13.0	4	4	-	143	232.7
Crook	-	-	-	-	-	2	15.4
Curry	-	-	-	-	-	17	57.5
Deschutes	7	11.1	5	1	1	59	93.2
Douglas	3	3.3	-	3	-	83	91.8
Gilliam	-	-	-	-	-	-	-
Grant	-	-	-	-	-	3	37.5
Harney	-	-	-	-	-	3	41.5
Hood River	4	24.7	1	3	-	44	271.6
Jackson	4	3.0	3	1	-	232	174.0
Jefferson	3	24.9	1	1	1	30	249.0
Josephine	3	5.1	1	1	1	92	155.3
Klamath	2	3.4	2	-	-	73	125.1
Lake	-	-	-	-	-	2	26.7
Lane	10	3.7	6	4	-	600	224.0
Lincoln	3	8.2	1	2	-	30	81.6
Linn	5	5.6	1	3	1	84	94.0
Malheur	2	7.4	-	1	1	34	125.9
Marion	39	18.9	17	17	5	518	251.6
Morrow	-	-	-	-	-	7	96.2
Multnomah	120	21.5	55	47	18	3439	616.9
Polk	-	-	-	-	-	26	58.4
Sherman	-	-	-	-	-	-	-
Tillamook	-	-	-	-	-	17	79.1
Umatilla	3	5.0	1	-	2	90	149.8
Union	-	-	-	-	-	60	247.9
Wallowa	1	13.6	-	-	1	3	40.9
Wasco	1	4.5	-	1	-	26	116.1
Washington	16	6.2	12	3	1	369	143.4
Wheeler	-	-	-	-	-	-	-
Yamhill	3	5.3	2	1	-	50	89.0

Rates per 100,000 population

TABLE 74. REPORTED TUBERCULOSIS CASES AND DEATHS WITH RATES, OREGON, 1950 - 1984

	CASES[1]		DEATHS	
YEAR	Number	Rate	Number	Rate
1950	676	44.4	201	13.2
1951	765	48.8	209	13.3
1952	863	53.9	146	9.1
1953	656	40.1	112	6.8
1954	636	38.2	84	5.1
1955	638	37.7	80	4.7
1956	593	34.2	70	4.0
1957	578	33.3	62	3.6
1958	572	33.1	54	3.1
1959	560	31.5	69	3.9
1960	492	27.8	63	3.6
1961	454	25.0	57	3.1
1962	417	22.8	43	2.3
1963	395	21.3	51	2.7
1964	416	21.8	48	2.5
1965	361	18.3	34	1.8
1966	386	19.3	43	2.2
1967	322	16.0	37	1.8
1968	290	14.1	29	1.4
1969	357	17.2	24	1.2
1970	265	12.7	18	0.9
1971	249	11.6	29	1.4
1972	234	10.7	30	1.4
1973	239	10.7	30	1.3
1974	207	9.1	24	1.1
1975	194	8.4	20	0.9
1976	197	8.4	20	0.9
1977	171	7.1	13	0.5
1978	204	8.3	21	0.8
1979	179	7.0	20	0.8
1980	218	8.3	27	1.0
1981	206	7.7	18	0.7
1982	194	7.3	14	0.5
1983	182	6.9	19	0.7
1984	156	5.9	NA	NA

All rates per 100,000 population

1 From 1950 to 1974 new cases included those cases first reported in that year. In 1975 through 1984, new cases included those cases first reported in that year plus reactivations.

TABLE 75. CASES OF REPORTABLE DISEASES BY MONTH OF REPORT, OREGON 1984

DISEASES	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Amebiasis	101	7	5	16	6	5	6	4	4	14	11	13	10
Botulism	4	-	1	2	1	-	-	-	-	-	-	-	-
Hepatitis													
Type A (Infectious)	1007	97	110	84	64	55	81	82	66	82	83	101	102
Type B (Serum)	377	23	28	29	36	32	36	27	23	26	29	33	55
Non A Non B	154	11	12	15	7	14	15	10	14	9	5	14	27
Unspecified	38	4	1	2	8	-	3	3	1	3	5	2	6
Legionellosis	1	-	-	-	-	-	1	-	-	-	-	-	-
Leprosy	2	-	1	-	-	-	-	-	-	-	-	-	1
Malaria	16	1	-	-	-	1	5	1	2	-	1	2	3
Meningococcal Infections	50	8	3	8	4	8	5	3	-	3	2	3	3
Pertussis (Whooping Cough)	31	-	4	1	2	2	2	-	3	11	4	1	1
Psittacosis	6	1	1	1	-	-	-	3	-	-	-	-	-
Rubella	2	-	-	-	-	-	-	1	-	1	-	-	-
Rubella, Congenital Syndrome	1	-	-	-	-	-	-	-	-	-	1	-	-
Salmonellosis (Excl. Typhoid)	1036	13	13	17	13	25	31	24	20	62	753	27	38
Shigella (Bacillary Dysentery)	237	10	2	11	12	9	27	12	65	59	11	3	16
Tularemia	3	-	1	-	-	1	-	-	-	-	-	1	-
Typhoid Fever	2	-	-	-	-	1	-	-	-	-	1	-	-
Typhus Fever (Tick-Borne Rocky Mt. Spot)	1	-	-	1	-	-	-	-	-	-	-	-	-
Toxic-Shock Syndrome	9	1	-	-	4	-	1	1	-	1	-	-	1

TABLE 76. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1984

COUNTY OF RESIDENCE	AMEBIASIS	HEPATITIS				MALARIA	MEASLES	MENINGOCOCCAL INFECTIONS
		Type A	Type B	Non A Non B	Unspecified			
TOTAL	101	1007	377	154	38	16	-	50
Baker	-	1	-	1	-	-	-	-
Benton	2	10	3	1	-	4	-	5
Clackamas	6	94	28	10	1	1	-	4
Clatsop	-	4	3	10	1	-	-	-
Columbia	-	3	1	-	-	1	-	-
Coos	-	3	8	2	-	-	-	1
Crook	2	1	-	1	-	-	-	-
Curry	1	1	1	-	-	-	-	1
Deschutes	-	10	6	3	2	-	-	-
Douglas	-	12	10	3	1	-	-	1
Gilliam	-	-	-	-	-	-	-	-
Grant	-	-	1	-	-	-	-	-
Harney	-	1	1	2	1	-	-	-
Hood River	-	3	-	1	-	-	-	-
Jackson	-	18	17	2	-	-	-	1
Jefferson	-	5	1	-	-	-	-	-
Josephine	3	11	7	2	4	1	-	3
Klamath	-	19	3	-	2	-	-	1
Lake	-	-	1	-	-	-	-	-
Lane	10	45	50	14	-	-	-	4
Lincoln	-	4	3	3	1	-	-	-
Linn	2	13	18	4	4	1	-	5
Malheur	2	19	-	2	-	-	-	1
Marion	8	125	26	11	5	3	-	13
Morrow	1	-	-	-	-	-	-	-
Multnomah	57	474	149	66	14	4	-	6
Polk	2	14	3	3	1	-	-	1
Tillamook	-	2	-	1	2	-	-	-
Umatilla	2	2	-	1	2	-	-	1
Union	-	-	-	1	-	-	-	-
Wallowa	-	2	-	-	-	-	-	-
Wasco-Sherman*	-	1	3	-	-	-	-	-
Washington	3	49	23	10	1	1	-	2
Wheeler	-	-	-	-	-	-	-	-
Yamhill	-	24	7	2	-	-	-	-

*Wasco and Sherman Counties reported together

TABLE 76. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1984, continued

COUNTY OF RESIDENCE	PERTUSSIS	RUBELLA	SALMON-ELLOSIS	SHIGEL-LOSIS	TUBERCU-LOSIS	TULAREMIA	TYPHOID FEVER
TOTAL	31	2	1036	237	156	3	2
Baker	-	-	4	-	-	-	-
Benton	-	1	19	7	-	-	-
Clackamas	2	-	36	7	7	-	-
Clatsop	-	-	-	-	1	-	-
Columbia	-	-	3	-	-	-	-
Coos	-	-	5	1	4	1	-
Crook	-	-	3	-	-	-	-
Curry	1	-	2	-	-	-	-
Deschutes	-	-	11	-	-	-	-
Douglas	-	-	-	-	2	-	-
Gilliam	-	-	3	-	-	-	-
Grant	-	-	-	-	-	-	-
Harney	-	-	-	-	-	-	-
Hood River	-	-	17	1	-	-	-
Jackson	5	-	9	2	1	-	-
Jefferson	-	-	4	75	-	-	-
Josephine	-	-	8	1	1	-	-
Klamath	1	-	1	-	2	-	-
Lake	-	-	1	-	1	-	-
Lane	1	-	47	5	4	-	-
Lincoln	-	-	2	1	1	-	-
Linn	-	-	11	5	1	-	-
Malheur	1	-	4	-	7	-	-
Marion	7	-	20	32	17	1	1
Morrow	1	-	2	-	-	-	-
Multnomah	7	-	83	53	78	-	-
Polk	2	-	7	1	2	-	-
Tillamook	-	-	-	1	-	-	-
Umatilla	-	-	33	1	2	-	-
Union	-	-	8	-	-	1	1
Wallowa	-	-	1	-	-	-	-
Wasco-Sherman*	2	-	630	2	2	-	-
Washington	1	1	58	37	21	-	-
Wheeler	-	-	1	-	-	-	-
Yamhill	-	-	3	5	3	-	-

*Wasco and Sherman Counties reported together

POPULATION

TABLE 77. POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975, 1977-1984

YEAR AND SEX	TOTAL	AGE GROUPS																	
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
1950	1,521,341	163,915	131,596	108,140	96,738	105,070	117,706	116,800	117,361	105,575	93,228	86,118	77,843	68,230	54,455	37,095	34,979	1/	6,492
M	772,776	83,614	67,244	55,528	47,652	51,469	57,940	57,930	59,391	54,452	48,574	44,802	40,426	36,027	28,498	19,085	17,143	1/	3,001
F	748,565	80,301	64,352	52,612	49,086	53,601	59,766	58,870	57,970	51,123	44,654	41,316	37,417	32,203	25,957	18,010	17,836	1/	3,491
1960	1,768,675	185,403	189,333	170,768	131,315	95,773	96,636	107,999	118,152	116,218	114,074	101,313	87,606	74,007	65,908	52,734	34,274	17,713	9,449
M	879,929	94,330	96,553	87,191	64,463	46,011	47,318	52,924	57,451	57,832	57,574	52,052	43,615	37,003	32,257	25,175	16,407	7,935	3,838
F	888,746	91,073	92,780	83,577	66,852	49,762	49,318	55,075	60,701	58,386	56,500	49,261	43,991	37,004	33,651	27,559	17,867	9,778	5,611
1970	2,091,385	164,060	194,345	211,284	203,362	162,638	138,978	115,599	107,832	117,950	124,395	118,996	110,739	94,408	75,601	60,321	44,263	27,900	18,714
M	1,023,952	83,836	99,274	107,664	100,952	75,549	68,827	57,764	52,738	57,790	60,407	58,563	54,576	45,809	35,886	26,956	18,946	11,249	7,166
F	1,067,433	80,224	95,071	103,620	102,410	87,089	70,151	57,835	55,094	60,160	63,988	60,433	56,163	48,599	39,715	33,365	25,317	16,651	11,548
1975	2,292,734	166,930	176,125	211,149	224,538	222,013	180,346	152,553	122,891	114,611	120,938	125,783	117,631	106,710	86,844	66,077	48,381	31,022	18,194
M	1,120,178	85,331	89,859	107,668	114,204	108,866	84,271	76,482	61,305	55,959	58,944	60,547	56,993	51,149	40,571	29,622	19,879	11,966	6,562
F	1,172,556	81,599	86,266	103,481	110,334	113,146	96,075	76,071	61,586	58,652	61,994	65,236	60,638	55,561	46,273	36,455	28,502	19,056	11,632
1977	2,396,100	179,795	175,649	206,981	228,350	236,061	202,618	169,247	135,742	119,006	120,417	126,533	121,162	110,794	91,997	69,983	50,500	32,445	18,820
M	1,170,016	91,918	89,616	105,526	116,468	117,110	95,706	83,323	67,909	58,406	58,661	60,810	58,223	52,781	42,734	31,216	20,669	12,298	6,642
F	1,226,084	87,877	86,033	101,455	111,882	118,951	106,912	85,924	67,833	60,600	61,756	65,723	62,939	58,013	49,263	38,767	29,831	20,147	12,178
1978	2,472,000	191,405	179,233	206,478	231,143	241,353	217,906	182,004	145,922	124,002	120,688	126,506	123,112	112,545	94,626	71,986	51,100	32,763	19,227
M	1,207,195	97,767	91,305	105,112	117,886	120,554	103,730	88,303	72,747	61,020	58,722	60,815	58,979	53,507	44,054	32,229	21,178	12,437	6,848
F	1,264,805	93,638	87,928	101,366	113,257	120,799	114,176	93,701	73,175	62,982	61,966	65,691	64,133	59,038	50,572	39,757	29,922	20,326	12,399
1979	2,544,000	204,020	181,640	202,110	231,490	247,390	233,900	192,190	155,310	129,100	121,090	126,300	125,540	114,600	97,810	74,920	52,920	33,700	19,970
M	1,241,920	104,170	92,600	102,900	117,910	124,010	113,070	92,090	77,590	63,850	58,890	60,800	59,910	54,180	45,280	33,200	21,880	12,590	7,000
F	1,302,080	99,850	89,040	99,210	113,580	123,380	120,830	100,100	77,720	65,250	62,200	65,500	65,630	60,420	52,530	41,720	31,040	21,110	12,970
1980	2,632,663	197,951	189,293	202,546	225,814	237,788	253,472	227,565	170,694	133,101	119,249	124,344	129,886	117,676	105,165	79,367	55,327	34,994	28,431
M	1,296,355	101,815	96,965	103,594	114,690	117,800	126,867	115,071	86,047	67,073	58,948	60,356	62,001	56,031	49,287	35,404	22,747	12,802	8,857
F	1,336,308	96,136	92,328	98,952	111,124	119,988	126,605	112,494	84,647	66,028	60,301	63,988	67,885	61,645	55,878	43,963	32,580	22,192	19,574
1981	2,660,435	203,594	184,616	203,543	217,750	234,053	252,725	241,926	179,636	140,523	118,937	122,571	128,335	119,708	107,390	83,548	56,478	36,576	28,526
M	1,310,480	104,334	94,477	104,341	111,275	115,874	126,043	122,079	90,690	70,811	59,188	59,493	61,398	56,675	50,396	37,441	23,405	13,444	9,116
F	1,349,955	99,260	90,139	99,202	106,475	118,179	126,682	119,847	88,946	69,712	59,749	63,078	66,937	63,033	56,994	46,107	33,073	23,132	19,410
1982	2,656,185	205,442	184,989	200,663	214,621	225,266	245,516	240,579	191,815	145,302	119,328	118,393	124,286	121,205	108,828	87,242	122,710	2/	
M	1,308,018	104,536	94,896	102,787	110,004	112,537	121,444	121,229	96,778	73,205	59,541	57,526	59,397	57,238	50,920	39,287	46,693	2/	
F	1,348,167	100,906	90,093	97,876	104,617	112,729	124,072	119,350	95,037	72,097	59,787	60,867	64,889	63,967	57,908	47,955	76,017	2/	
1983	2,634,993	200,502	185,101	195,306	208,383	221,102	233,950	236,452	197,788	150,869	119,798	113,707	119,496	121,107	110,442	90,061	130,929	2/	
M	1,292,711	102,231	95,121	99,869	106,267	110,629	115,627	118,621	99,538	75,798	59,704	55,279	57,032	56,925	51,386	40,321	48,363	2/	
F	1,342,282	98,271	89,900	95,437	102,116	110,473	118,323	117,831	98,250	75,071	60,094	58,428	62,464	64,182	59,056	49,740	82,566	2/	
1984	2,660,000	201,561	189,002	189,940	203,518	224,882	227,497	240,883	208,395	159,323	124,516	113,420	118,076	118,774	111,029	93,393	135,791	2/	
M	1,307,023	102,591	97,255	97,250	103,737	113,484	112,302	120,975	105,194	80,218	62,374	55,513	56,574	55,671	51,445	41,826	50,614	2/	
F	1,352,977	98,970	91,747	92,690	99,781	111,398	115,195	119,908	103,201	79,105	62,142	57,907	61,502	63,103	59,584	51,567	85,177	2/	

1/ Includes ages 75-84.
2/ Includes ages 75 and over.
1950, 1960, 1970, 1980 are U.S. Census. All others are estimates provided by Center for Population Research and Census, Portland State University.

TABLE 78. PRELIMINARY ESTIMATES OF 5 YEAR AGE GROUPS BY SEX, OREGON AND ITS COUNTIES; JULY 1, 1984.

	TOTAL 0-4	Male 0-4	Female 0-4	TOTAL 5-9	Male 5-9	Female 5-9	TOTAL 10-14	Male 10-14	Female 10-14	TOTAL 15-19	Male 15-19	Female 15-19
BAKER	1161	599	562	1068	587	481	1144	583	561	1251	691	560
BENTON	4351	2310	2041	4078	2106	1972	4054	2012	2042	7817	4035	3782
CLACKAMAS	17792	9196	8596	18267	9328	8939	20506	10484	10022	21942	11161	10781
CLATSOP	2422	1257	1165	2305	1189	1116	2213	1134	1079	2200	1109	1091
COLUMBIA	2651	1316	1335	2931	1436	1495	3099	1577	1522	3229	1648	1581
COOS	4322	2203	2119	4314	2200	2114	4443	2322	2121	4635	2412	2223
CROOK	1070	576	494	1015	513	502	1044	517	527	1025	525	500
CURRY	1065	555	510	1052	527	525	1025	530	495	1241	616	625
DESCHUTES	5211	2711	2500	4863	2506	2357	5112	2625	2487	5024	2567	2457
DOUGLAS	7001	3459	3542	7265	3758	3507	7433	3775	3658	7465	3860	3605
GILLIAM	140	64	76	132	67	65	107	58	49	134	61	73
GRANT	604	311	293	605	311	294	605	298	307	629	329	300
HARNEY	514	259	255	583	316	267	588	303	285	589	293	296
HOOD RIVER	1318	617	701	1212	596	616	1135	605	530	1186	607	579
JACKSON	9871	4989	4882	9530	4837	4693	10130	5180	4950	10460	5396	5064
JEFFERSON	1262	653	609	1035	539	496	1019	528	491	1122	583	539
JOSEPHINE	4121	2111	2010	4211	2191	2020	4380	2318	2062	4610	2325	2285
KLAMATH	4356	2175	2181	4328	2304	2024	4615	2402	2213	4601	2332	2269
LAKE	596	300	296	595	307	288	601	284	317	595	318	277
LANE	19336	9926	9410	18867	9762	9105	18817	9715	9102	21876	10854	11022
LINCOLN	2597	1332	1265	2283	1168	1115	2143	1083	1060	2326	1168	1158
LINN	6659	3455	3204	6659	3411	3248	7011	3605	3406	7273	3701	3572
MALHEUR	2355	1174	1181	2292	1195	1097	2201	1108	1093	2274	1162	1112
MARION	17173	8697	8476	15554	7951	7603	14829	7611	7218	15599	7998	7601
MORROW	676	352	324	672	358	314	644	335	309	635	322	313
MULTNOMAH	41744	21288	20456	35098	18138	16960	32761	16648	16113	34293	17398	16895
POLK	3319	1676	1643	3264	1718	1546	3316	1726	1590	3564	1874	1690
SHERMAN	170	92	78	178	86	92	160	86	74	196	93	103
TILLAMOOK	1614	749	865	1541	797	744	1429	738	691	1557	789	768
UMATILLA	5228	2620	2608	5018	2572	2446	4671	2282	2389	4662	2337	2325
UNION	2068	1081	987	2029	1075	954	2043	1048	995	2007	1063	944
WALLOWA	661	343	318	558	293	265	552	259	293	576	316	260
WASCO	1683	817	866	1702	916	786	1703	896	807	1733	866	867
WASHINGTON	21405	10774	10631	19182	9790	9392	19826	10211	9615	20519	10569	9950
WHEELER	75	30	45	87	39	48	100	54	46	111	56	55
YAMHILL	4970	2524	2446	4629	2368	2261	4481	2310	2171	4562	2303	2259
STATE	201561	102591	98970	189002	97255	91747	189940	97250	92690	203518	103737	99781

Prepared by the Center for Population Research and Census,
Portland State University, January 22, 1985.

TABLE 78. Continued, 1984.

	TOTAL 20-24	Male 20-24	Female 20-24	TOTAL 25-29	Male 25-29	Female 25-29	TOTAL 30-34	Male 30-34	Female 30-34	TOTAL 35-39	Male 35-39	Female 35-39
BAKER	1224	631	593	1019	517	502	1171	588	583	1043	517	526
BENTON	11615	6265	5350	6671	3577	3094	6194	3280	2914	4647	2371	2276
CLACKAMAS	19807	10308	9499	16347	8034	8313	20292	9803	10489	21285	10323	10962
CLATSOP	2944	1465	1479	2775	1414	1361	2824	1468	1356	2295	1218	1077
COLUMBIA	2837	1466	1371	2404	1141	1263	2921	1476	1445	2874	1422	1452
COOS	4937	2538	2399	4558	2191	2367	4908	2442	2466	4298	2167	2131
CROOK	940	465	475	890	451	439	928	442	486	892	432	460
CURRY	1176	605	571	1117	573	544	1232	617	615	1060	530	530
DESCHUTES	4773	2427	2346	4959	2384	2575	5921	2972	2949	5216	2666	2550
DOUGLAS	7462	3865	3597	6733	3300	3433	6985	3418	3567	6524	3297	3227
GILLIAM	156	82	74	143	76	67	141	73	68	125	67	58
GRANT	610	310	300	565	274	291	658	341	317	552	286	266
HARNEY	574	311	263	549	257	292	591	309	282	522	265	257
HOOD RIVER	1299	697	602	1333	704	629	1373	738	635	1248	654	594
JACKSON	11083	5654	5429	10423	5122	5301	11201	5587	5614	10263	5153	5110
JEFFERSON	1023	542	481	872	446	426	901	461	440	807	384	423
JOSEPHINE	4463	2240	2223	3696	1738	1958	4430	2106	2324	4341	2146	2195
KLAMATH	5076	2686	2390	4542	2338	2204	4830	2403	2427	4275	2181	2094
LAKE	563	291	272	545	279	266	624	316	308	493	251	242
LANE	26033	12783	13250	26290	13029	13261	25274	13060	12214	21140	10869	10271
LINCOLN	2695	1420	1275	2804	1355	1449	3217	1599	1618	2704	1389	1315
LINN	7514	3772	3742	7157	3516	3641	7765	3868	3897	6560	3330	3230
MALHEUR	2483	1285	1198	1991	1004	987	2015	972	1043	1740	868	872
MARION	17836	9245	8591	18328	9351	8977	18365	9357	9008	15567	7918	7649
MORROW	581	323	258	587	287	300	602	318	284	499	257	242
MULTNOMAH	44379	21638	22741	57572	28037	29535	60299	30556	29743	46310	23829	22481
POLK	3974	1817	2157	3857	1848	2009	3702	1809	1893	3362	1653	1709
SHERMAN	154	75	79	144	84	60	178	97	81	142	68	74
TILLAMOOK	1588	817	771	1520	759	761	1839	960	879	1497	759	738
UMATILLA	4932	2513	2419	4989	2446	2543	5095	2608	2487	4264	2188	2076
UNION	2161	1064	1097	2037	999	1038	2009	994	1015	1739	886	853
WALLOWA	530	285	245	491	244	247	620	315	305	451	237	214
WASCO	1678	835	843	1563	751	812	1861	943	918	1613	795	818
WASHINGTON	20546	10149	10397	23363	11458	11905	25426	12438	12988	23985	11836	12149
WHEELER	115	64	51	69	37	32	80	38	42	90	42	48
YAMHILL	5121	2551	2570	4594	2281	2313	4411	2203	2208	3972	1940	2032
STATE	224882	113484	111398	227497	112302	115195	240883	120975	119908	208395	105194	103201

Prepared by the Center for Population Research and Census,
Portland State University, January 22, 1985.

TABLE 78. Continued, 1984.

	TOTAL 40-44	Male 40-44	Female 40-44	TOTAL 45-49	Male 45-49	Female 45-49	TOTAL 50-54	Male 50-54	Female 50-54	TOTAL 55-59	Male 55-59	Female 55-59
BAKER	937	450	487	813	410	403	781	396	385	794	385	409
BENTON	3601	1802	1799	2773	1385	1388	2387	1173	1214	2280	1102	1178
CLACKAMAS	17859	8958	8901	13337	6734	6603	11379	5720	5659	11284	5485	5799
CLATSOP	1806	905	901	1425	715	710	1302	640	662	1503	728	775
COLUMBIA	2331	1207	1124	1782	926	856	1601	801	800	1619	786	833
COOS	3611	1794	1817	3120	1553	1567	2913	1430	1483	3007	1463	1544
CROOK	745	389	356	641	338	303	588	283	305	578	294	284
CURRY	943	464	479	803	376	427	796	400	396	964	475	489
DESCHUTES	3963	1991	1972	2997	1544	1453	2557	1276	1281	2507	1192	1315
DOUGLAS	5258	2570	2688	4413	2186	2227	4327	2110	2217	4312	2139	2173
GILLIAM	88	36	52	104	57	47	114	49	65	108	52	56
GRANT	488	262	226	456	216	240	393	203	190	388	194	194
HARNEY	454	245	209	398	215	183	350	172	178	350	178	172
HOOD RIVER	949	489	460	792	414	378	804	375	429	781	398	383
JACKSON	8194	4083	4111	6523	3297	3226	5812	2883	2929	6041	2922	3119
JEFFERSON	664	338	326	607	295	312	527	266	261	534	255	279
JOSEPHINE	3647	1792	1855	2883	1432	1451	2705	1304	1401	2869	1349	1520
KLAMATH	3337	1692	1645	2861	1437	1424	2719	1331	1388	2776	1381	1395
LAKE	451	237	214	403	202	201	393	179	214	414	212	202
LANE	16016	8051	7965	11871	5950	5921	10500	5101	5399	10803	5183	5620
LINCOLN	1993	1017	976	1693	856	837	1726	811	915	2002	937	1065
LINN	5416	2681	2735	4314	2140	2174	3896	1927	1969	3923	1856	2067
MALHEUR	1425	682	743	1261	627	634	1262	583	679	1388	667	721
MARION	11998	6044	5954	9519	4791	4728	8671	4146	4525	8748	4117	4631
MORROW	434	216	218	396	209	187	345	168	177	349	178	171
MULTNOMAH	30989	15803	15186	23911	11764	12147	22982	11147	11835	26141	12351	13790
POLK	2568	1293	1275	2125	1033	1092	1968	970	998	1902	906	996
SHERMAN	104	56	48	97	47	50	102	48	54	143	70	73
TILLAMOOK	1158	582	576	982	499	483	1007	471	536	1181	577	604
UMATILLA	3297	1675	1622	2832	1418	1414	2631	1311	1320	2864	1370	1494
UNION	1443	722	721	1120	561	559	999	498	501	1012	499	513
WALLOWA	414	207	207	373	189	184	390	195	195	387	179	208
WASCO	1313	672	641	1067	545	522	1004	475	529	1092	486	606
WASHINGTON	18061	9111	8950	13292	6722	6570	11013	5464	5549	10609	5068	5541
WHEELER	88	44	44	66	30	36	84	42	42	82	42	40
YAMHILL	3280	1658	1622	2466	1261	1205	2392	1165	1227	2341	1098	1243
STATE	159323	80218	79105	124516	62374	62142	113420	55513	57907	118076	56574	61502

Prepared by the Center for Population Research and Census,
Portland State University, January 22, 1985.

TABLE 78. Continued, 1984.

	TOTAL 60-64	Male 60-64	Female 60-64	TOTAL 65-69	Male 65-69	Female 65-69	TOTAL 70-74	Male 70-74	Female 70-74	TOTAL 75+	Male 75+	Female 75+
BAKER	794	382	412	866	405	461	766	357	409	1168	479	689
BENTON	2269	1063	1206	1908	919	989	1457	628	829	2398	840	1558
CLACKAMAS	10490	5014	5476	8708	4100	4608	6981	3164	3817	10024	3587	6437
CLATSOP	1634	747	887	1674	764	910	1450	651	799	2128	817	1311
COLUMBIA	1634	799	835	1443	702	741	1154	536	618	1690	709	981
COOS	2929	1404	1525	3136	1552	1584	2558	1165	1393	3311	1365	1946
CROOK	638	280	358	713	340	373	634	297	337	659	286	373
CURRY	1092	495	597	1272	617	655	1128	539	589	1134	524	610
DESCHUTES	2689	1242	1447	3061	1482	1579	2636	1263	1373	2511	1078	1433
DOUGLAS	4187	2054	2133	4238	2068	2170	3499	1659	1840	4298	1803	2495
GILLIAM	123	62	61	107	54	53	105	51	54	123	61	62
GRANT	373	179	194	384	192	192	301	148	153	439	191	248
HARNEY	330	164	166	282	145	137	213	110	103	363	154	209
HOOD RIVER	810	385	425	719	343	376	607	293	314	834	338	496
JACKSON	6217	2985	3232	6431	3103	3328	5623	2632	2991	7298	2936	4362
JEFFERSON	513	261	252	483	239	244	429	211	218	402	180	222
JOSEPHINE	3295	1507	1788	3566	1691	1875	3223	1486	1737	3860	1573	2287
KLAMATH	2708	1308	1400	2464	1204	1260	2070	1000	1070	2642	1098	1544
LAKE	379	200	179	341	179	162	247	132	115	360	148	212
LANE	10732	4987	5745	10660	4923	5737	8624	3939	4685	11661	4416	7245
LINCOLN	2411	1086	1325	2296	1069	1227	1952	913	1039	2458	1041	1417
LINN	4151	1986	2165	3916	1800	2116	3307	1543	1764	4379	1722	2657
MALHEUR	1246	590	656	1288	640	648	1073	529	544	1506	608	898
MARION	8784	4080	4704	8927	3988	4939	8041	3447	4594	12061	4432	7629
MORROW	299	148	151	268	137	131	225	114	111	288	126	162
MULTNOMAH	27218	12462	14756	23607	10370	13237	19859	8290	11569	35137	11503	23634
POLK	1938	909	1029	1877	873	1004	1573	683	890	2691	1002	1689
SHERMAN	122	64	58	124	64	60	85	37	48	101	44	57
TILLAMOOK	1286	604	682	1284	594	690	1117	527	590	1400	604	796
UMATILLA	2732	1281	1451	2395	1166	1229	2005	936	1069	2985	1157	1828
UNION	932	444	488	1001	462	539	916	439	477	1284	510	774
WALLOWA	383	187	196	365	173	192	297	132	165	502	221	281
WASCO	1145	564	581	1051	491	560	948	428	520	1344	540	804
WASHINGTON	9921	4650	5271	7726	3466	4260	6284	2642	3642	9042	3238	5804
WHEELER	77	35	42	94	52	42	68	33	35	114	56	58
YAMHILL	2293	1063	1230	2354	1078	1276	1938	872	1066	3196	1227	1969
STATE	118774	55671	63103	111029	51445	59584	93393	41826	51567	135791	50614	85177

Prepared by the Center for Population Research and Census,
Portland State University, January 22, 1985.

TECHNICAL NOTES

THE COLLECTION OF VITAL RECORDS

The presentation of data in the book is only the final stage of a long process. The prompt and accurate recording of vital events is a complicated community service which receives little public recognition until an individual finds he or she has need of the records or the information they contain. The registration system serves two purposes. First, these vital documents are collected, kept safe, and made available to individuals and their families when needed for documentation of the events in which they were personally involved. Second, our complex society has a need to know about health and social changes occurring in our state. Vital Statistics has frequently been called "the eyes and ears of public health". In fact, it is the only organized system of health records covering the entire population. The collection is a highly cooperative endeavor in which a great many people play an important part.

PROVIDERS OF SERVICES

The providers of the services associated with vital events are the first people involved in the collection system. The birth attendant is responsible for completing both the legal document and the confidential, statistical section of the birth certificate. The death and fetal death certificate must be filed by the funeral director or person who first assumes responsiblity for the body. A physician completes the medical portion of these death certificates, except in the case of found bodies and unnatural deaths, which are certified by the medical examiner. Hospital medical-records personnel also play an important role in assuring that all certificates are completed and accurate. These service providers then file the completed certificates with the county registrars in the county where the event occurred. Abortions and communicable diseases are treated differently. The providers of induced abortions file the completed statistical reports (which contain no identifying information) directly with the State Registrar. Physicians report cases of communicable diseases to the Disease Monitoring and Control section of the Health Division.

COUNTY OFFICIALS

The county registrars play an important role in assuring the completion and accuracy of the birth, death, and fetal death registration. They check the certificates against other sources of information to make certain no events are missed. They also follow-up any incomplete items before sending the certificates to the State Registrar at the Center for Health Statistics. The county clerks perform a similar function for marriage and divorce certificates.

CENTER FOR HEALTH STATISTICS

At the state level, the staff of the Center for Health Statistics perform additional completeness and accuracy checks. A field representative makes contacts with providers and county registrars, and clerical staff send letters seeking additional information about causes of death, birthweight, and the status of very small babies. Coders and data entry personnel turn the information into computerized data, while microfilmers store the certificates so that certified copies can be made. The computerized statistical data is then retrieved by programmers, analyzed by researchers, and made available for demographic and public health needs.

OTHER STATES

Events relating to Oregon residents which occurred in another state are included in this report. The Centers for Health Statistics in each U.S. state and the Provinces of Canada have traditionally agreed to send copies of birth, death and fetal death certificates to the locality where the individual usually resided. A cooperative agreement is also in place for reports on induced termination of pregnancy (abortion), however, some states collect no resident information on these reports and can not participate in the exchange. There is no exchange program for marriage and divorce certificates.

Who among all these people is the vital recorder? The answer is -- all of them. The invisible person who records the major life events of our population is really many people who have all played important roles in presenting this report.

HOW TO BE A VITAL STATISTICIAN

This book presents vital statistics and highlights a number of important demographic and public health changes. But the possible uses of vital statistics are endless. Data users are as diverse as a public-health official evaluating a program using death data, a demographer projecting school enrollments with birth data, and a business person deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. But others find the entire subject-matter confusing and intimidating. For either group a misunderstanding of what vital statistics mean or an incorrectly used comparison can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful. Additional information about specific events is provided at the beginning of each section.

STEP 1: FINDING THE CORRECT NUMBER

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

Which event or events are appropriate?

DEATHS
INFANT DEATHS
NEONATAL DEATHS
POST-NEONATAL DEATHS
FETAL DEATHS
LOW BIRTH WEIGHT INFANTS
PREGNANCIES
INDUCED ABORTIONS
MARRIAGES
ANNULMENTS
DIVORCES

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, a researcher who is concerned with teenage pregnancies will have to consider abortions and fetal deaths, not simply the number of births.

Deciding which events to use is important since sometimes the choice of one event over another can lead to vastly different conclusions. Consider the researcher who asks, "Have we reduced the likelihood of death for babies?" Selecting neonatal deaths (babies who die before they are 28 days old) suggests the answer is yes. But selecting post-neonatal deaths (those between 28 days and one year) suggests no.

To determine which events are appropriate, read the introductions to each of the sections in this report. They contain suggestions, explanations, and some examples of how to interpret the figures.

What is the correct population?

The vital events do not usually occur in individual's homes, which leads to an interesting problem in geography. Vital events are usually reported two ways:

OCCURRENCE means that the event (the death, birth, marriage, etc.) actually took place in the geographic region indicated (either Oregon or a particular county). The person participating in the event may have lived in Timbuktu.

RESIDENCE means that the person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Marion county who died in an accident while on vacation in Michigan has been added to the Marion county resident death figure.

Choosing the appropriate population is important. Occurrence birth data is more relevant to a hospital planner who is deciding to expand or contract delivery services. But residence birth data should be the choice for projecting school enrollment. When in doubt about which population to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole will be easier. Exceptions to this rule are listed in the individual sections.

Once the right event and the right population have been determined, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Center for Health Statistics for more information.

STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

In many instances simply knowing the number of events which occurred is not sufficient. A Bradford Hill expressed this important statistical concept:

> "It is well recognized that white sheep eat more than black sheep--because there are more of them."

In other words, it is the probability of the event which is important. We know more people died in Multnomah county than in Wheeler county, but is the likelihood of dying really different?

In order to answer this question, statisticians calculate rates. This means that the number of events which occurred are compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = \frac{\text{DEATHS}}{\text{POPULATION}} \times 1{,}000$$

DEATHS: the number of people who could have died

1,000: a number picked by vital statisticians to eliminate decimal points

The more specifically a statistician can define the "population at risk" (the bottom part of the rate), the more meaningful the rate is. For example, the crude birth rate, which compares the number of births to the population, is not nearly as informative as the fertility rate. This second rate uses only the number of women of childbearing age (15-44) for comparative purposes and is therefore less distorted by quirks in the population distribution. (The turn of the century notion that only married women between the age of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.) The importance of being specific about the population at risk is explained in Step 3.

Unfortunately we do not always have the correct number for the bottom part of the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number to create a ratio. For instance, the abortion ratio compares the number of abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

When calculating rates and ratios, great care must be taken to make certain that the same time periods, the same geographical boundaries, and the same population are used in the top and bottom parts of the equation.

STEP 3: COMPARING PLACES, TIME PERIODS, AND CATEGORIES

In many situations, the vital statistician's goal is to compare two or more numbers for different geographical areas, different time periods, or different categories such as men versus women. But comparing rates and ratios introduces some new problems which must not be overlooked.

Changes in measurement

The first problem is that the measures being compared are not always the same. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example of changes in comparability:

During the late 1970's approximately 80 to 85 people died each year due to hypertensive disease. — RATE = 3.3 PER 100,000 POPULATION

In 1979, 250 people died from this cause. — RATE = 9.8

The explanation for the difference in 1979 is not that the incidence of hypertensive heart disease deaths increased in 1979. The explanation is that a new scheme for coding the causes was introduced that year.

Taking age and sex into account

Mr. G. C. Whipple noted in 1923 that, "We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages." We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

The death rate increased between 1950 and 1960 from 9.1 to 9.5 deaths per thousand. But an examination of the death rates for each age group indicates that these all decreased. This contradiction is explained by the fact that in 1960 a larger proportion of the population was concentrated in the older age groups where death rates are higher.

	1950	1960
CRUDE DEATH RATE	9.1	9.5
AGE SPECIFIC DEATH RATES		
0 - 4	5.9	5.7
5 - 14	0.6	0.4
15 - 24	1.5	1.1
25 - 44	2.4	2.1
45 - 64	11.1	10.6
65+	58.4	56.8

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations. The formulas for doing this are listed in the appendix.

Small numbers

Perhaps the most common error made in vital statistics concerns the use of rates based on very small numbers. When the numbers being used to calculate rates are extremely small, large swings often occur in the rates which do not reflect real changes. Consider Wasco county's infant mortality rates for the past five years:

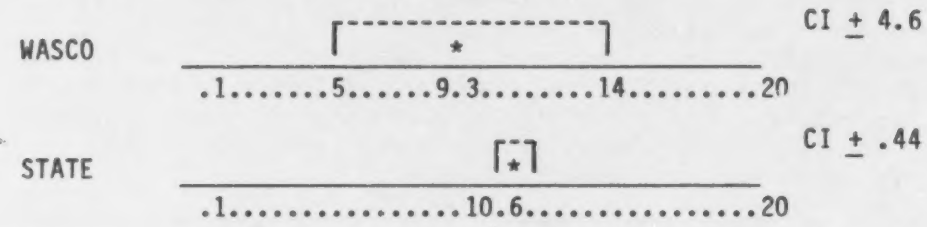
WASCO COUNTY

YEAR	BIRTHS	INFANT DEATHS	INFANT DEATH RATES
1980	371	4	10.8
1981	308	0	-
1982	345	3	8.7
1983	341	4	11.7
1984	350	5	14.3
1980-1984	1,715	16	9.3

The overall rate of 9.3 is quite close to the state rate for the same time period (10.6). Yet for some years the rate is nearly double the rate of other years simply because two additional infants died. Public health officials would waste a good deal of energy reacting to these annual rates.

Statisticians expect a certain amount of chance variation and have methods to take this into account. The confidence interval uses the number of cases and their distributions to determine what the rate "really is". For example a statistician will say, "We are 95% sure that the true infant death rate for Oregon between 1980 and 1984 was 10.6 $\pm$ 0.44, that is, it lies somewhere between 10.16 and 11.04." If two rates have overlapping confidence intervals than the difference between them may be due to this chance variation. In other words the difference is not statistically significant.

Wasco county's infant death rate for the same period was 9.3 ± 4.6



The difference between the state rate and Wasco county is not statistically different.

When comparing rates and ratios, differences should be tested for statistical significance. Formulas are listed in the appendix. For those who are reluctant to use formulas, consider this rule of thumb: a rate based on 20 cases has a 95% confidence interval about as wide as itself (the interval for a rate of 50 is between 25 and 75). Even large differences between two rates based on 20 cases or less are probably not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas.

Many rates based on small numbers are published in this book because readers demand them. But anyone preparing to make important decisions based on these rates should make an effort to determine if rates are statistically significant.

STEP 4: ANALYZING THE DATA

The first three steps have been fairly mechanical:

(1) Choose the correct events and the correct population to determine the number of events which took place for the geographical areas and time periods.

(2) Calculate the rates.

(3) Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions. Just because two rates are different, can we assume that we have a case of cause and effect? Is there another factor which is really causing the changes in the rates? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking the difference? Frequently the statistician has to refine the research question and begin all over again.

Several sources of help are available. Many of the widely used rates and ratios are presented in the Quick Reference section, and narratives and figures are included throughout the book to illustrate changes. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.

FORMULAS

PREGNANCY

1. (CRUDE) BIRTH RATE = $\frac{\text{Resident Births}}{\text{Population}} \times 1{,}000$

   Oregon, 1984 = $\frac{39{,}536}{2{,}660{,}000} \times 1{,}000 = 14.9$

2. AGE SPECIFIC BIRTH RATE = $\frac{\text{Resident Births to Mothers in Age Category}}{\text{Female population in Age Category}} \times 1{,}000$

   Oregon, 1984, Age 20-24 = $\frac{12{,}033}{11{,}398} \times 1{,}000 = 108.0$

3. FERTILITY RATE = $\frac{\text{Resident Births to Mothers Aged 15-44}}{\text{Female population Aged 15-44}} \times 1{,}000$

   Note: Some publications use the following: $\frac{\text{All resident births}}{\text{Female population Aged 15-44}}$

   Oregon, 1984 = $\frac{39{,}466}{628{,}588} \times 1{,}000 = 62.88$

4. TOTAL FERTILITY RATE = Age-specific Birth Rates in 5 year Categories between 15 and 44

   Oregon, 1984 = 5 (42.5 + 108.0 + 110.9 + 66.4 + 21.2 + 3.1) = 1,760.5

5. FETAL DEATH RATE = $\frac{\text{Resident Fetal Deaths of 20 or More Weeks Gestation}}{\text{Resident Births}} \times 1{,}000$

   Note: Publications vary in the Gestation Cut off for fetal deaths. The following formula is sometimes used.

   $\frac{\text{Resident Fetal Deaths}}{\text{Resident Births + Resident Fetal Deaths}} \times 1{,}000$

   Oregon, 1984, Residents = $\frac{257}{39{,}536} \times 1{,}000 = 6.5$

6. ABORTION RATIO = $\frac{\text{Resident Abortions}}{\text{Resident Births}} \times 1{,}000$ OR $\frac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1{,}000$

Oregon, 1984, Occurrence = $\frac{13{,}133}{40{,}841} \times 1{,}000 = 321.6$

---

7. ABORTION RATE = $\frac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1{,}000$

Oregon, 1984, Occurrence with total adjusted for not stated ages. = $\frac{13{,}003}{628{,}588} \times 1{,}000 = 20.7$

DEATHS

---

8. (CRUDE) DEATH RATE = $\frac{\text{Resident Deaths}}{\text{Population}} \times 1{,}000$

Oregon, 1984 = $\frac{23{,}101}{2{,}660{,}000} \times 1{,}000 = 8.7$

---

9. INFANT DEATH RATE = $\frac{\text{Resident Infant Deaths}}{\text{Resident Births}} \times 1{,}000$

Oregon, 1984 = $\frac{388}{39{,}536} \times 1{,}000 = 9.8$

---

10. NEONATAL DEATH RATE = $\frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1{,}000$

Oregon, 1984 = $\frac{190}{39{,}536} \times 1{,}000 = 4.8$

---

11. POST-NEONATAL DEATH RATE = $\frac{\text{Resident Post-Neonatal Deaths}}{\text{Resident Births}} \times 1{,}000$

Oregon, 1984 = $\frac{198}{39{,}536} \times 1{,}000 = 5.0$

---

12. CAUSE-SPECIFIC DEATH RATE = $\frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100{,}000$

Oregon, 1984, Heart Disease = $\frac{8{,}010}{2{,}660{,}000} \times 100{,}000 = 301.1$

---

13. AGE-SEX SPECIFIC DEATH RATE = $\frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Category}} \times 1{,}000$

Oregon, 1984, Males Aged 65-74 = $\frac{3{,}278}{93{,}271} \times 1{,}000 = 35.1$

MARRIAGE AND DIVORCE

---

14. MARRIAGE RATE = $\frac{\text{Marriages}}{\text{Population}} \times 1{,}000$

Oregon, 1984 = $\frac{23{,}074}{2{,}660{,}000} \times 1{,}000 = 8.7$

---

15. AGE-SPECIFIC MARRIAGE RATE = $\frac{\text{Marriages of Grooms in Specific Age Group}}{\text{Population of Males in Specific Age Group}} \times 1{,}000$

Oregon, 1984, Grooms Aged 20-24 = $\frac{6{,}668}{113{,}484} \times 1{,}000 = 58.8$

$\frac{\text{Marriages of Brides in Specific Age Group}}{\text{Population of Females in Specific Age Group}} \times 1{,}000$

Oregon, 1984, Brides Aged 20-24 = $\frac{7{,}416}{111{,}398} \times 1{,}000 = 66.6$

---

16. DIVORCE RATE = $\frac{\text{Divorces}}{\text{Population}} \times 1{,}000$

Oregon, 1984 = $\frac{15{,}631}{2{,}660{,}000} \times 1{,}000 = 5.9$

CALCULATING CONFIDENCE INTERVALS FOR RATES

To determine the confidence intervals for rates two numbers are needed : (1) the number of individuals for that event and (2) the number in the denominator of the rate. If the rate is an infant, neonatal or post-neonatal mortality rate then the denominator is the number of births. When examining characteristics of births use total births. Otherwise the denominator is a population figure. Use this formula:

$$\frac{1{,}000}{\text{denominator}} \left(\text{deaths} \pm 1.96 \sqrt{\text{deaths}}\right) = \text{rate} \pm \text{confidence interval}$$

Example: Is there a difference between the state and Lane county rates for low-birth weight infants?

In 1984, Oregon had 2,036 out of 39,536 babies that weighed less than 2,500 grams (5 1/2 lbs.).

In 1984, Lane county had 194 out of 3,888 babies that were born weighing less than 2,500 grams.

$$\text{State Confidence Interval} = \frac{1{,}000}{39{,}536} \left(2{,}036 \pm 1.96 \sqrt{2036}\right)$$

$$= .025 \left(2{,}036 \pm 88.44\right)$$

$$= 50.90 \pm 2.21$$

We are 95 percent sure that the low-birth weight rate for Oregon is between 48.69 and 53.11.

$$\text{Lane Confidence Interval} = \frac{1{,}000}{3{,}888} \left(194 \pm 1.96 \sqrt{194}\right)$$

$$= .257 \left(194 \pm 27.30\right)$$

$$= 49.86 \pm 7.02$$

We are 95 percent sure that the low-birth weight rate for Lane County is between 42.84 and 56.88.

To determine if the difference between two rates is significant use the confidence intervals in this formula:

$$\text{Difference between the two rates} \pm \sqrt{\text{1st Confidence Interval}^2 + \text{2nd Confidence Interval}^2}$$

If the interval obtained from this calculation does <u>not</u> include Ø then the difference is statistically significant at the 95 percent level.

Oregon Low-birth weight rate is 50.90 ± 2.21

Lane Low-birth weight rate is 49.86 ± 7.02

$$(50.90 - 49.86) \pm \sqrt{2.21^2 + 7.02^2}$$

$$1.0 \pm \sqrt{4.88 + 49.28}$$

$$1.0 \pm \sqrt{54.16}$$

$$1.0 \pm 7.36$$

The interval is between -6.4 and 8.4. Since zero falls between these two numbers, the difference between Lane county and Oregon's rate of low-birth weight infants is not statistically significant.

NOTE: If comparing death rates which are greater than 100 (for example for ages over 65)

then 1.96 $\sqrt{\text{deaths}}$ should be replaced with: $1.96 \sqrt{\text{death}\,(1-\frac{\text{deaths}}{\text{denominator}}}$

CALCULATING MORTALITY RATES ADJUSTED FOR SEX/AGE/RACE

When comparing rates and ratios the influences of sex, age and race differences in the populations must be taken into account. Comparing many different age-sex-race specific rates can be cumbersome. The following techniques are used by vital statisticians to summarize these rates into one number.

The direct adjusted rate applies each of the specific rates for a particular population (such as a county or an HSA) to a standard population distribution (such as the state). Often the United States population of 1940 is used.

The standard mortality ratio compared the number of deaths for a particular population (such as a county or an HSA) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S rates) had occurred.

Life expectancy assumes that a theoretical group of babies would experience each of the current specific death rates. The average life expectancy is the mean number of years lived by these babies.

Each of these techniques has its advantages and disadvantages. The easiest to calculate is the direct adjusted rate. The following example shows how to adjust a county's death rate for sex so that it may be compared to the state rate.

$$\frac{\frac{\text{county male deaths}}{\text{county male population}} \times \text{state male population} + \frac{\text{county female deaths}}{\text{county female population}} \times \text{state female population}}{\text{Total State Population}} \times 1{,}000$$

The same logic can be used to adjust for age and/or race.

REFERENCES

For further information about calculating confidence intervals and adjusting rates see:

National Center for Health Statistics: Infant Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 2. Health Resources Administration, Washington, D.C., July 1976.

National Center for Health Statistics: Mortality, by J. C. Kleinman, Statistical Notes for Health Planners, No. 3. Health Resources Administration, Washington, D.C., July 1977.

SYMBOLS USED IN THIS REPORT

QUANTITY IS ZERO IN FREQUENCY TABLES.....	-
RATE OR PERCENT IS LESS THAN OR EQUAL TO 0.05.....	0.0
DATA NOT AVAILABLE OR NOT APPLICABLE.....	---
INSUFFICIENT DATA FOR COMPUTATION.....	*

DEFINITIONS AND ABBREVIATIONS

LIVE BIRTH is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such a separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born.

FETAL DEATH is death prior to the complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation, except where such expulsion results from a therapeutic abortion; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

INFANT DEATH is the death of a child prior to the first birthday.

NEONATAL DEATH is the death of a child within the first 27 days of life.

PERINATAL DEATH is the death of a fetus after 28 weeks gestation or the death of a live born infant prior to the first completed week of life.

IMMATURE INFANT is a live born infant with a birth weight less than 5 1/2 (2,500 grams) as reported on the birth certificate.

CRUDE BIRTH OR DEATH RATE is the number of live births or deaths per 1,000 total population.

INFANT DEATH RATE is the number of infant deaths per 1,000 live births.

NEONATAL DEATH RATE is the number of neonatal deaths per 1,000 live births.

PERINATAL DEATH RATE is the number of perinatal deaths per 1,000 related to the combined total of all fetal deaths of 28 weeks or more gestation and all live births.

MATERNAL DEATH RATE is the number of female deaths attributed to childbirth or to complications of pregnancy or the puerperium per 100,000 live births.

BIRTHS TO UNWED MOTHERS RATIO is the number of births to unwed mothers per 1,000 live births.

ABBREVIATIONS

C.N.M. - Certified Nurse Midwife

D.C. - Doctor of Chiropractic Medicine. Chiropractic being a system of therapeutics based upon the claim that disease is caused by abnormal function of the nerve system. It attempts to restore normal function of the nerve system by manipulation and treatment of the structures of the human body, especially those of the spinal column. *.

D.O. - Doctor of Osteopathic Medicine. Osteopathy being a system of therapy founded by Andrew Taylor Still (1828-1917) and based on the theory that the body is capable of making its own remedies against disease and other toxic conditions when it is in normal structural relationship and has favorable environmental conditions and adequate nutrition. It utilizes generally accepted physical, medicinal, and surgical methods of diagnosis and therapy, while placing chief emphasis on the importance of normal body mechanics and manipulative methods of detecting and correcting faulty structure.*

M.D. - Medical Doctor. Medical pertaining to medicine or the treatment of diseases.

N.D. - Naturopathic Doctor. Naturopathy being a system of therapy without using drugs and utilizing physical forces such as air, light water, heat, massage, etc. *

R.N. - Registered Nurse.

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* Taken from Dorland's Illustrated "Medical Dictionary." : W.B. Saunders Co. c 1965.

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PLACE OF DELIVERY
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ERRATA

TABLE 51. ACCIDENTAL DEATHS BY PRINCIPAL CLASSES AND COUNTY OF ACCIDENT, OREGON, 1984.

COUNTY OF ACCIDENT	TOTAL		MOTOR VEHICLE	HOME	OCCUPATIONAL	PUBLIC	UNCLASSIFIED
	Number	Rate 1/					
Multnomah	195	34.7	87	51	3	49	5